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# CHEMIST AND DRUGGIST

For Retailer, Wholesaler and Manufacturer

OCTOBER 24 1964

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ii

THE CHEMIST AND DRUGGIST

October 24, 1964

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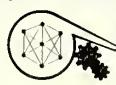


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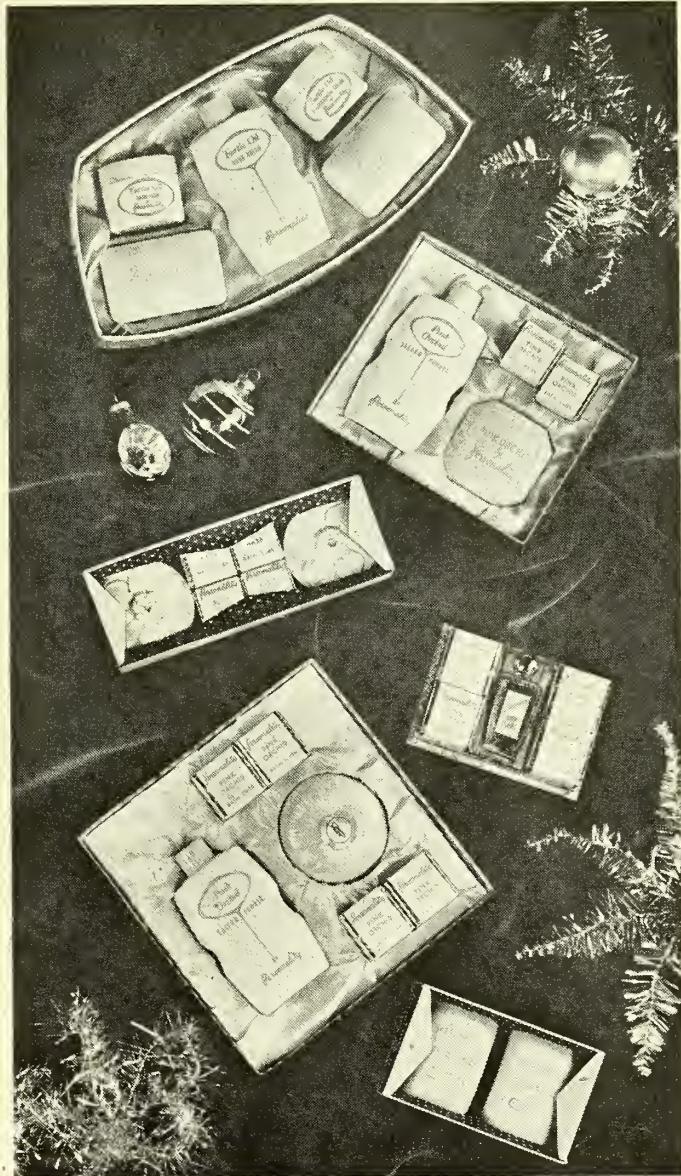
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or L6 with Turtle Oil Hand Cream in place of talc. Pink Orchid only. 11/6 retail

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*Application is being made for exemption from the Resale Prices Act.*

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Pharmacists are admitted to Associateship and may be transferred to Membership after presenting a thesis or participating in a management study. Entry fees are payable after 1965, and applicants for Membership after 1966 are required to have passed the Institute's Examination or to possess a degree/diploma recognised by the Council for admission.

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Associates and Members are entitled to take part in the activities of the Institute, to obtain a copy of "Pharmacy Management" regularly and to receive other publications and management aids which the Institute may publish from time to time.

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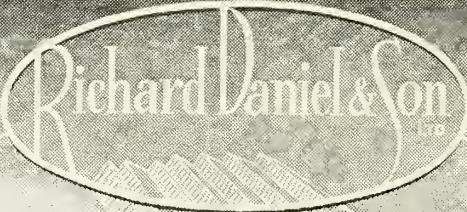
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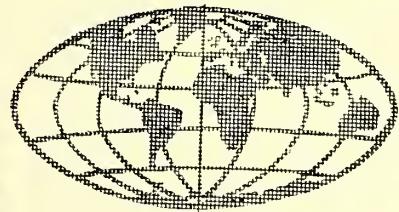
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Hoechst Pharmaceuticals Limited are applying through the Association of the British Pharmaceutical Industry, for exemption under the Resale Prices Act 1964, for its entire range of ethical pharmaceutical products, dental anaesthetics and veterinary chemotherapeutics and vaccines.

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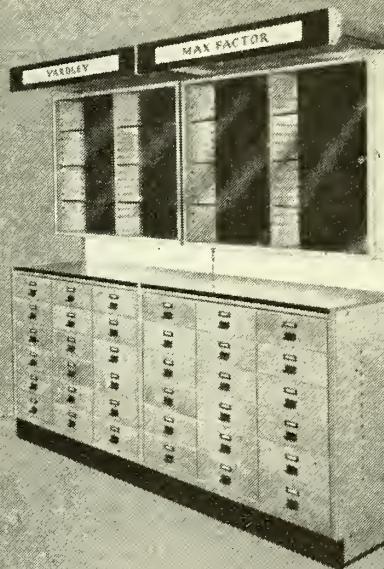
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C.2.



# RESALE PRICE MAINTENANCE

**A statement by JOHNSON & JOHNSON**

(Gt. BRITAIN) LTD.

This is to advise you that we have applied for exemption from the provisions of the Resale Prices Act, 1964 in respect of our range of Baby Products, BAND-AID\* Plasters, Foot Products, First-Aid Cream, K.Y. Jelly\*, and Dental Floss.

Until such times as a ruling is given by the Restrictive Practices Court on our application, we will continue to enforce the Condition of Sale regarding the maintenance of the Retail Prices of the Products listed above.

For Retail Prices please see the page opposite.

\*TRADE MARK

Product and description	Pack	Retail Price†	Product and description	Pack	Retail Price †			
<b>JOHNSON'S BABY PRODUCTS</b>								
<b>BABY POWDER</b>								
Medium	Tin	2/3	Wallets	Carton	1/-			
Large	Tin	4/-	Medium Strips	Tin	2/-			
Economy	Tin	5/-	Medium Assorted	Tin	2/-			
<b>BABY GIFT BOX</b>								
4-item	Display pack	7/2	Large Strips	Tin	3/-			
8-item	Display pack	11/6	Large Assorted	Tin	3/-			
<b>BABY CREAM</b>								
Tube	Tube	2/3	3" x $\frac{3}{4}$ "	Carton	11/4½			
Medium	Plastic jar	3/3	3" x 1"	Carton	14/-			
Large	Plastic jar	5/9	$\frac{7}{8}$ " dia.	Carton	9/9			
<b>WHITE PETROLEUM JELLY</b>								
Medium	Jar	1/9	1½" x 1½"	Carton	13/3			
Large	Jar	2/6	2" x 4½"	Carton	28/-			
<b>BABY SOAP</b>								
Toilet	Wrapped	1/-	Butterfly Closures	Carton	9/-			
Bath	Wrapped	1/7	<b>ELASTIC PLASTERS</b>					
<b>BABY LOTION</b>								
Medium	Plastic bottle	3/3	Wallets	Carton	1/-			
Large	Plastic bottle	5/-	Med : Assorted	Carton	2/-			
<b>BABY TEATS</b>								
Small	Tube pack	9d.	1½" x 1 yd. (Strip)	Dispenser	2/6			
Medium	Tube pack	9d.	2½" x 1 yd. (Strip)	Dispenser	3/6			
Large	Tube pack	9d.	2½" x 6" Strips	Envelope	9d.			
X-large	Tube pack	9d.	<b>JOHNSON'S* FOOT PRODUCTS</b>					
Three-hole	Tube pack	9d.	Corn Pads, thin	Carton	1/1			
<b>BABY OIL</b>			Corn Pads, thick	Carton	1/4			
	Bottle	3/6	Corn Pads, Self-Adhesive	Carton	1/7			
<b>BABY SHAMPOO</b>			Corn Caps, Medicated	Carton	1/5			
Sachet	Sachet	9d.	Chiro. Felt, thin	Carton	2/11			
Medium	Bottle	3/-	Chiro. Felt, medium	Carton	2/11			
Large	Bottle	4/3	Chiro. Felt, thick	Carton	2/11			
<b>BABY SUDS</b>			Chiro. Felt, small	Carton	1/6			
<b>GRIPE MIXTURE</b>			Ivy Corn Leaf	Carton	1/5			
<b>COTTON WOOL BALLS</b>			Foot Powder	Puffer-tube	2/7			
White—carton	Carton	2/3	<b>MISCELLANEOUS SPECIALITIES</b>					
White—bag	Bag	1/6	<b>JOHNSON'S* FIRST-AID CREAM</b>					
Coloured—bag	Bag	1/9	Antiseptic	Tube	2/6			
<b>COTTON BUDS</b>			K.Y. JELLY*					
Medium 18's	Carton	1/-	Standard	Tube	1/8			
Large 54's	Carton	2/6	Large	Tube	2/9			
Economy 90's	Carton	3/9	<b>JOHNSON'S* DENTAL FLOSS</b>					
<b>NAPPY LINERS</b>			12 yds.	Glass Vial	1/4			
50's	Bag	5/-	24 yds.	Glass Vial	2/3			
			150 yds.	Glass Vial	7/6			

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\*Trade Mark

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Prodan is not a shampoo, but a pleasant, easy to use, odourless preparation containing cetrimide.

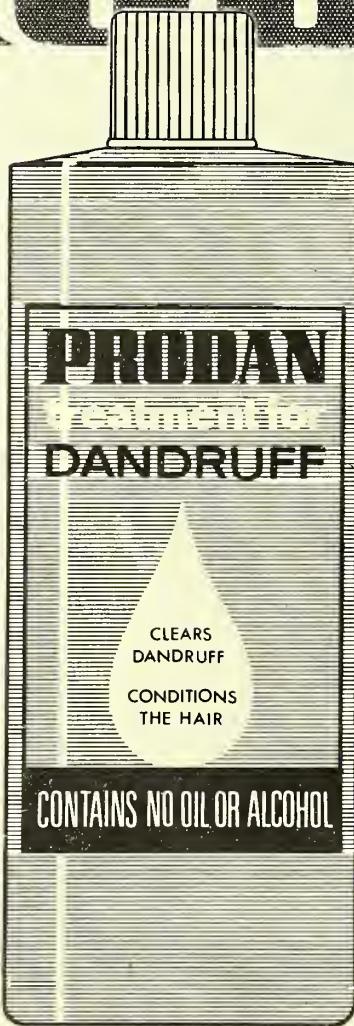
Prodan is applied after washing the hair, and is left on the scalp—not rinsed out.

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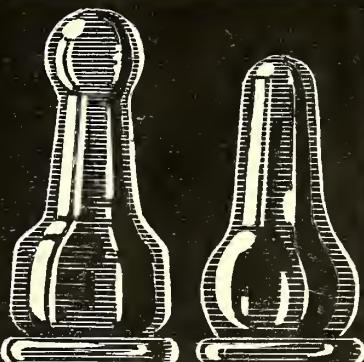
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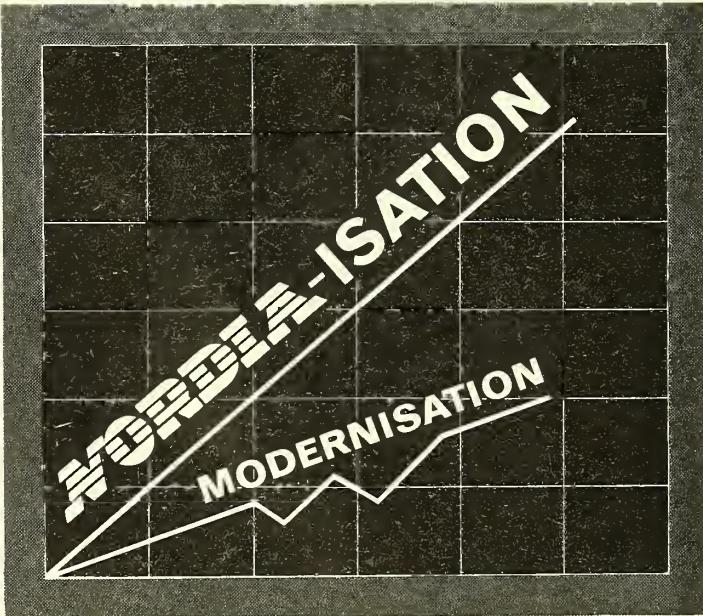
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# THE CHEMIST AND DRUGGIST

ESTABLISHED 1859

THE WEEKLY NEWSPAPER FOR PHARMACY  
and all sections of the drug, pharmaceutical,  
fine chemical, cosmetic, and allied industries

*Official organ of the Pharmaceutical Society of Ireland  
and of the Pharmaceutical Society of Northern Ireland*

Volume 182

October 24, 1964

No. 4419

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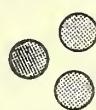
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THREE TABLETS

**per day**

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FERROUS IRON

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**1%**

HAEMOGLOBIN RISE

**per day**

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Tubes of 100 and 1000  
Retail prices 3/4 and 26/8.

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**SYRUP**

Bottles of 6 fl. oz.  
Retail price 4/8.  
Trade price 42/- per doz.



Glaxo Laboratories Ltd

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# The CHEMIST AND DRUGGIST

Volume 182

OCTOBER 24, 1964

No. 4419

## N.H.S. Remuneration

### NEW FEES AND RETROSPECTIVE PAYMENTS

THE Central N.H.S. (Chemist Contractors) Committee has agreed the new scale of professional fees to operate for the pricing of prescriptions dispensed from October.

The scale is as follows and will be paid in addition to the oncst at the rate of 14 per cent.

Class	Fee per prescription
1. ALL PRESCRIPTIONS attract a "Professional Fee" except as follows:	2s. 3d.
2. Preparations when EXTEMPORANEOUSLY PREPARED, and endorsed by the chemist "extemporaneously dispensed":—	
(i) Cachets, capsules, individually wrapped powders, pills, tablet-triturates, lozenges, pastilles, pessaries, suppositories; enteric coating of tablets, etc. (up to 10)	4s. 6d.
(each extra 20)	2s. 3d.
(ii) Eye drops	4s. 6d.
(iii) Sterile preparations:—	
(a) ampoules, single dose vials, individually wrapped powders (up to 10)	9s. 0d.
(each extra 20)	2s. 3d.
(b) other preparations including intravenous injection fluids over 500 mil, eye ointments, paraffins, olive oil where required by prescriber to be dispensed in more than 1 container, each extra quantity	9s. 0d.
3. APPLIANCES, except elastic hosiery and trusses as at Class 5	6d.
4. Additional fees:—	
(a) Endorsed "D.D.A." by the chemist	1s. 0d.
(b) Endorsed "URGENT" by the prescriber and dispensed at a time when the premises are not open for dispensing, the hour to be endorsed by the chemist	2s. 3d.
5. Appliances:—	
ELASTIC HOSIERY.	
Anklets, kneecaps, leggings Below knee, above knee, thigh stockings, knee and thigh leggings, thigh kneecap and piece Repairs	2s. 6d.
TRUSSES	
Spring (single)	15s. 0d.
(double)	22s. 6d.
Elastic band (single)	6s. 0d.
(double)	7s. 6d.
Infant's rubber band truss	3s. 6d.
Infant's umbilical belt	2s. 6d.
Repairs	1s. 3d.

Problems have arisen in respect of the retrospective payments for 1964. The Conference of Pharmaceutical Committees (C. & D., July 11, p. 41)

decided that the Central N.H.S. Committee should try to obtain full pricing and payment and the Ministry was approached accordingly.

#### Pricing Difficulties

The Ministry has ascertained that the Conference decision would involve the re-examination of every prescription form. That work could only be carried out at the Pricing Bureaux and it was estimated that it would occupy the whole of the Bureaux staffs for at least a month and probably more. During that time no current pricing would be carried out and it would be impossible to overtake the resulting pricing arrears in less than twelve to eighteen months. The Central N.H.S. Committee is satisfied with the Ministry's estimate and, since any action that would create pricing arrears cannot be contemplated, it would appear that the decision of the Conference on this matter cannot be implemented.

Prescriptions per month	Arrears payment per prescription Jan./Sept. 1964
Up to 500	1d.
501–1,000	2d.
1,001–1,500	4½d.
1,501–2,000	5½d.
2,001–3,000	6d.
Over 3,000	7d.

The Contractors' Committee is satisfied that, if pricing arrears are to be avoided, no method exists of calculating the actual amounts due to each contractor. The Committee therefore recommends that the arrears of payment for 1964 be calculated by reference to the average figures shown in the accompanying table (subject to any minor amendments in the light of the 1963 figures) the amount shown being the arrears of payment per prescription for each size group, the payment for each month to be based upon the actual number of prescriptions dispensed during that month.

Subject to Pharmaceutical Committees agreeing to the proposed method for 1964 arrears, the payments will, of course, apply to prescriptions dispensed during January–September 1964 inclusive.

## Drug Dependence

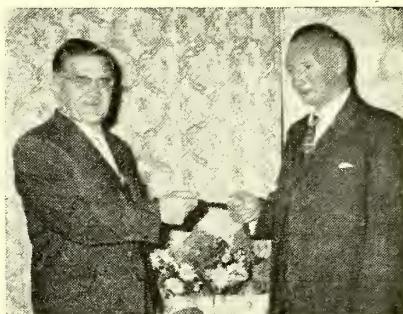
EVALUATION STUDIED BY W.H.O. GROUP

THE evaluation of dependence producing drugs is the subject of a report issued by a World Health Organisation scientific group (W.H.O. technical report series, 1964, no. 287; H.M. Stationery Office, price 3s. 6d.). Using the term "drug dependence" in preference to "drug addiction" and "drug habituation," the report examines the criteria for drugs that might come under that heading and proposes a classification into seven generic types, according to the groups of substances at present available and known to produce dependence. The types proposed are:—Morphine, barbiturate, alcohol, cocaine, amphetamine, hallucinogens and cannabis. The methods at present available for evaluating dependence within each of those types, comprising tests for tolerance and psychic and physical dependence performed in various animals or in man, are described and their value considered. The group concludes that whatever the agent, the methods so far developed are mainly of value for the recognition of the physical dependence and the recognition of psychic dependence is mainly a matter of observation and judgment when the agent is used by man.

## Business Administration

### INTENSIVE COURSE FOR EXECUTIVES

A COURSE for senior industrialists (among others) who are either directly concerned with or have an overall responsibility for planning, initiating,



RETIREMENT PRESENTATION: Mr. A. W. Smith (Clerk to the Executive Council for the Counties of Aberdeen and Kincardine) presents a cheque from chemist contractors in the area to Mr. John Simpson, Banchory, who has been honorary secretary of the Local Pharmaceutical Committee since 1948 and is retiring from business at the end of October.

(Photo by D. J. Cruickshank, M.P.S., Turriff.)

conducting or directing training schemes, either in the United Kingdom or overseas, is being held at Woolton Hall, University of Manchester, March 22 to April 15, 1965. The course is concerned with analysing both members' current problems and problems of training techniques and approaches. As practical exercises in administrative practice must, like case studies, always be relevant to administrative reality, course members are being asked to bring with them as much authentic material as they can on which such exercises (to be specially prepared) can be based. The fee for the course, which is organised by the Research Management Trust, is £189, including full board and residence.

## Supper and Trophies

### CHEMIST GOLFERS' ANNUAL EVENT

TRADITIONALLY the members of the South London and Surrey Pharmacists' Golfing Society sit down to supper at Shirley Park clubhouse towards the end of the season, and after excellent fare the season's trophies are presented. Over seventy members and guests attended this year's supper on September 16, when the proceedings were completed according to custom. This year's prize-winners were:—

*Scotia Bowl and replica:* G. Penman (Wimbledon Park); *Banstead Bowl and replica:* H. Reynolds (Codray Park); *Widocks Memorial trophy and replica:* S. G. Mote (Leatherhead); *Bobby Locke trophy:* A. F. Powrie (Barnehurst); *Captain's prize:* F. Needham (Effingham); *Verona trophy and replica:* R. E. Hedges (Langley Park); *Calcutta cup and replica:* W. J. Baldock (Croydon Hurst); *Phil Thorp putter and spoon (medal):* F. R. Jamieson (Woodcote Park); *Ucal challenge cup:* A. Cottam (Shirley Park); *Croy-*

chloropon®	2,2,3-trichloropropionic acid
dichlofluaniid	N'-dichlorofluoromethylthio-NN-dimethyl-N'-phenyl-sulphamide
dimethrin	2,4-dimethylbenzyl 2,2-dimethyl-3-(2-methylpropenyl) cyclopropanecarboxylate
dinobuton	isopropyl 2,4-dinitro-6-s-butyl-phenyl carbonate
dinocton	methyl 2-(1-methyl-n-heptyl)-4,6-dinitrophenyl carbonate
dinosulfon	S-methyl 2-(1-methyl-n-heptyl)-4,6-dinitrophenyl thiolo-carbonate
dinoterbon	ethyl 2,4-dinitro-6-t-butylphenyl carbonate
norbornimide	5-( $\alpha$ -hydroxy- $\alpha$ -2-pyridylbenzyl)-7-( $\alpha$ -2-pyridylbenzylidene) norborn-5-ene-2,3-dicarboximide
triampiphos	5-( $\alpha$ -hydroxy- $\alpha$ -2-pyridylbenzyl)-7-( $\alpha$ -2-pyridylbenzylidene)-5-norbornene-2,3-dicarboximide (mixture of stereoisomers)
	5-amino-1-(bisdimethylamino-phosphinyl)-3-phenyl-1,2,4-triazole

\*The name chlordalpon was previously proposed for this compound.

## IRISH NEWS

### THE REPUBLIC

## Examination Results

### SUCCESSFUL CANDIDATES

RESULTS of the B.Sc. (Pharm.) degree, Autumn 1964, have been announced by the Pharmaceutical Society of Ireland. They are:—

*First class honours, P. B. Deasy; Second class honours, T. A. McGuinn; Pass, D. Cahill; Mary B. F. Concannon; J. J. Grehan; Margaret P. Hooper; M. J. Kennedy; P. M. Meagher; A. A. O'Shea, C. K. Shah, P. L. A. Stenson.*

*First Year Examination in Science (Pharmacy):* Pass, J. J. O'Hare; Helena M. Sinnott. *Second Year College Examination in Science (Pharmacy):* Pass, L. K. Boateng; C. J. Clarkson; J. I. Collins; H. P. Curley; M. Desai; Philomena A. Gallagher; Geraldine B. C. Gates; Mary T. C. Heffron; Blathnaid A. Hughes; M. O. A. Babatunde; J. O. Foresythe; R. N. Jeawon; A. I. Kola; M. J. O'Connell; F. O. Oke; T. M. O'Malley; J. P. Binney; J. E. M. Tully; J. N. Gallabhjee; P. J. McFadden; M. T. O'Leary.

## THE NORTH

## Five-day Week

### CHEMISTS ARE ASKED THEIR OPINIONS

MEMBERS' views on the possibility of a five-day week for pharmacists are being sought in a questionnaire that is being circulated by the executive of the Ulster Chemists' Association. The circular asks whether the member is in favour of a five-day week and, if so, whether closing on one whole day or two separate half-days each week would be the more suitable arrangement. Chemists are also asked which Bank holidays they observe and whether they wish to close on St. Patrick's Day, Whit Monday, or both. A letter with the questionnaire points out that, in Belfast and some provincial towns, some traders have reached agreement for a five-day week. In Lisburn and Newtownards, for example, pharmacists have joined schemes to close for an additional whole day, the "rota" chemist holding himself responsible to provide a service during the mornings of the days in question. It is emphasised that such schemes must be sanctioned by the Northern Ireland General Health Services Board.



*don shield (knock out) and replica:* C. J. Martin (Ifield); *Runner-up,* G. Penman (Wimbledon Park); *Unichem trophy (aggregate) and replica:* A. F. Reary (Croydon Hurst); *The Cow & Gate cup and replica (aggregate):* G. G. Watt (Croydon Hurst); *Founder's trophy:* E. S. Jobling.

## Pesticides

### SUGGESTED COMMON NAMES

COMMENTS on the following suggested names are sought by the British Standards Institution. They should be addressed to Mr. D. G. Berry, British Standards Institution, 2 Park Street, London, W.1.

COMMON NAME	CHEMICAL NAME
aprocarb	2-isopropoxyphenyl-N-methyl carbamate
bromophos-ethyl	4-bromo-2,5-dichlorophenyl diethyl phosphorothionate O-(4-bromo-2,5-dichlorophenyl) OO-diethyl phosphorothionate
chlobenamid	2,6-dichlorothiobenzamide
chlorfenvinphos	2-chloro-1-(2,4-dichlorophenyl) vinyl diethyl phosphate

## A CAUTIONARY NOTICE OMITTED

### Birmingham city analyst criticises a haemorrhoidal ointment

TWO specimens of haemorrhoidal ointment are criticised in the report of the Birmingham city analyst (Mr. A. H. Coombes) for the second quarter of 1964. In one case, the recommended cautionary wording "Persons who suffer from haemorrhoids are advised to consult a doctor" were missing from the label. The makers have since supplied printed slips to the vendor to correct the omission. The second case concerned an ointment containing 18 per cent. of boric acid, judged by the analyst to be an unnecessary health hazard arising from the ease with which boric acid is absorbed from mucous surfaces. A promise to revise the formulation was received from the manufacturer. The inclusion of 0.1 gm. of potassium chlorate in each dose of

an infants' preparation was also considered an unnecessary health hazard and the formula is to be revised.

The description "juniper back and kidney pills" was judged one that could lead a purchaser into using the product concerned for "kidney and other troubles best treated by a doctor." The manufacturers stated that they were already altering cartons and labels. Mr. Coombes again found samples of ammoniated tincture of quinine and sal volatile that were deficient in ammonia, in the former case due to overlong storage.

Remaining stock of compound co-deine tablets from which a sample was found to be deficient in aspirin was replaced by material from "a more reliable source."

**ALL THE WINNERS:**  
Trophy holders of the South London and Surrey Pharmacists' Golfing Society's 1964 season. Left to right, Messrs. A. Cottam, W. J. Baldock, S. G. Mote, G. G. Watt, F. Jamieson, H. Reynolds, F. Needham, G. Penman, R. E. Hedges and E. S. Jobling.

## NEWS IN BRIEF

DR. G. Sambasivan has been appointed director of the World Health Organisation's malaria eradication activities.

In honour of the Canadian Pharmaceutical Manufacturers' Association, which was founded fifty years ago, the *Canadian Pharmaceutical Journal* produced a special supplement in its August issue. The issue included a list of companies now manufacturing in Canada and articles on pharmaceutical research, drug safety, and the socio-economic influence of the industry.

An effort by the local medical officer of health (Dr. A. M. McCall) to secure a chemist for Merriott in Somerset has failed; it was announced at a meeting of Chard rural council recently.

OFFICERS of the pharmaceutical group of the Royal Society of Health for the year from January 1, 1965, are: *Chairman*, Professor A. M. Cook; *Treasurer*, Mr. D. M. Jennings; *Deputy Secretary*, Miss E. C. Lindsay-Rae; *Secretary*, Mr. N. Santer.

ENTRIES for the 1965 Maccabaeans prize and medal are now being invited by the Faculty of the History of Medicine and Pharmacy of the Worshipful Society of Apothecaries of London. Applicants are required to submit an essay of 5,000 to 7,000 words on some aspect of the history of medicine or pharmacy. Candidates must be under thirty years of age on March 15, 1965. Further particulars may be obtained from the secretary of the Faculty (Dr. F. N. L. Poynter), The Wellcome Historical Medical Library, The Wellcome Building, Euston Road, London, N.W.1.

## Courses and Conferences

A RESIDENTIAL weekend course on "The Protection of the Consumer," arranged by Essex County Council in co-operation with the Research Institute for Consumer Affairs, is being held at Wansfell residential college for adults, Theydon Bois, Epping, Essex, November 27-29. Speakers will seek to say why protection is necessary and how trading standards benefit the consumer. The law for consumers, the Consumers' Association and local consumer groups are other topics being covered. Fees for the course are:—Residents, £2 10s.; non-residents, £2. For persons living outside the administrative County of Essex, fees are £3 5s. and £2 15s. respectively. Further details and application forms may be obtained from the warden of the college.

## SPORT

### Golf

MANCHESTER PHARMACEUTICAL GOLFING SOCIETY. The Society held its invitation meeting at Manchester golf club, Hopwood Park, on September 30. Results: 1, Dr. Gourley and M. Donaldson, 43 pts.; 2, J. W. Kemp and B. V. Gawne, 39 pts. The president's prize, played for at Withington golf club, had to be postponed from October 7 to October 14 owing to the president being unable to attend. The event was won by E. McIntosh, 38 pts., with Dr. Doohan, 37 pts., second.

## LOCAL OFFICERS

### PHARMACISTS' ASSOCIATIONS

Wallasey.—President, D. H. Archer (Mr. T. D. Ambrose has resigned the office through ill health).

## TOPICAL REFLECTIONS

By Xrayser

### *A scale of fees*

All will be interested in the scale of dispensing charges recommended by the Council of the Pharmaceutical Society (p. 391), though to many, with the changes brought about by the National Health Service, the subject may have little more than an academic flavour. Had such a thorough appraisal of the pharmacist's value been undertaken thirty years ago (with charges appropriate to the then cost of living), the situation in 1948 might have been very different. Over the years, stretching back into the nineteenth century, attempts have been made to reach a basis of agreement, but to have any hope of success the authority of a representative body was necessary, and no organisation was better placed to act than the Society. That it has now done so is greatly to its credit. I appreciate the sub-committee's recognition of the fact that in some circumstances time may be needed for the present prices to be adjusted to the formula put forward—especially, one imagines, where an unswerving devotion has been shown to a private prescription written maybe thirty years ago and subsequently consumed with an unflagging zeal that argues well both for the faith of the consumer and for the hardiness of his (or generally her) constitution. In many cases I imagine that the charge made has not even kept pace with the rise in the cost of living. I am glad to note that the scale lays the emphasis on the professional fee for the operation and leaves the establishment charge as a secondary consideration. But it is difficult to be consistent, and logically there seems to be little justification for linking the professional fee with the size of a bottle, for the time, the skill and the knowledge seem to be much the same. How far it will be possible to secure observance of the scale is not stated, but it is vitally important that there should be a basis of compulsion on two counts: first that every prescription shall be coded by the pharmacy first dispensing it; and secondly that any cutting of that price by another pharmacy at a subsequent dispensing shall be treated as unethical conduct. It should also be obligatory to use the code.

### *A mixed bag*

The report of the October meeting of the Council of the Pharmaceutical Society (pp. 404-06) is the kind of statement that does much to inform the membership of the work done in their interest. There would be less need for complaints of apathy if members were always as fully taken into the Council's confidence, and if the current report is a reliable guide the demand for more detail has not gone unanswered. The Practice Committee seems to be getting nicely into its stride, and the table of dispensing charges more than justifies its recent birth. The detailed reporting of matters considered by the Ethical Committee is also of the greatest value both as an indication of the activity of that body and as a guide to members in the conduct of their affairs. Not only will the reports act as a guide, but regular reporting of such matters has the long-term effect of leading public opinion towards a strengthening of pharmacy's ethical code. The two committees are currently perhaps the most important committees of Council, and in Messrs. Grosset and Darling they have found energetic and keen leaders.

### *The constitution and the fees*

I note that the treasurer of the Pharmaceutical Society (Mr. H. Steinman) is this week addressing a meeting at Birmingham on the subject of "The Constitution and the Fees," and that Mr. J. B. Balmford (a member of Council) discussed the same topics at Wells recently (p. 400). I had not thought that the one had any bearing on the other, but their joint appearance at two such meetings seems more than mere coincidence, particularly in the light of a curious reply made by Mr. Balmford to a questioner who asked why more money was not charged for premises rather than personal retention fees. Mr. Balmford is reported as having said that "that would result in the large companies expecting more control in proportion as they paid." I was not aware that any company, large or small, had any control at present.

# Chemical Manufacturers Plan to Consolidate

## "INDIVISIBLE PROBLEMS" CREATE NEED FOR SINGLE VOICE

UNDERLYING the remarks of both speakers at the annual dinner of the Association of British Chemical Manufacturers in London on October 14 was the theme of sinking separate trade associations into new unified bodies to speak for an industry or to voice the views of industrialists as a group.

Offering "a warm and sincere welcome to our many and distinguished guests," MR. M. J. C. HUTTON-WILSON (chairman) said they included representatives of Government departments, research associations, the National Economic Development Council, learned societies and institutions, the Federation of British Industries, and the Chemical and Allied Employers' Association. The need for closing the ranks and for closer relationships was currently more apparent than ever before. The Association existed to give to its members all sorts of short-term individual services and to ensure that the climate in which they had to trade did not put them at a comparative disadvantage with their foreign competitors. That aspect of the Association's work had come more sharply into focus following the formation of the National Economic Development Council.

### Ready to Compete

The chemical industry accepted the challenge of a changing world, and was willing to compete on equal terms with all comers, but it insisted, and would continue to insist, on Government support at least equal to that given to its major world competitors by their Governments. It accepted that some degree of national planning was not only desirable but essential, more particularly in so highly capital-intensive an industry. At the same time its members were in no doubt that unfettered private enterprise was essential to the future progress of the chemical industry. They did not believe those viewpoints to be incompatible. The economic development committee of the chemical industry, recently constituted under the chairmanship of Mr. George Beeby, was already doing most useful work. It was becoming increasingly apparent that that work and the somewhat paradoxical situation arising from Government policies of modernisation and full employment, plus the attention that surely must be given to relationships with Europe, would bring important new responsibilities to all the associations representing the chemical industry. Equally it was becoming increasingly difficult within industry to separate the responsibility for wages and working conditions from commercial and economic questions. In anticipation of the resulting situation the Association had in 1963, with the Association of Chemical and Allied Employers, commissioned Mr. Eric Bingen to report, with recommendations, on the future organisation or organisations for the industry. Mr. Bingen had submitted his report in March 1964. After a period of negotia-

tions, the special committee jointly set up by the council of A.B.C.M. and the executive of A.C. & A.E. to resolve outstanding differences had reached agreement and put forward proposals to the two governing bodies. They recommended a single organisation that would also form the basis of closer relationships with affiliated and non-affiliated associations. The proposals had already received the approval of the Council and, subject to ratification

disadvantages of disclosing information hitherto regarded as confidential to a company. It was essential for each manufacturer to recognise the importance of a strengthened association structure, and to give full and objective consideration to the proposals that were likely to be put before them during the coming year.

The year had seen the publication of the one hundredth report of the Chief Alkali Inspector. To the author (Dr. Carter) whom they were glad to have with them that evening, they sincerely wished a long and happy retirement. To Sir Richard Powell, a guest at the top table, they were indebted for personal interest and help, realising that Government intervention in industry was inevitable, and intervention of the right sort welcome. The understanding and relationship between the chemical industry and the Board of Trade augured well for the future. Congratulating the principal guest (Sir Peter Runge) on the knighthood that had been conferred on him, Mr. Hutton-Wilson said that many, including himself, had watched and admired Sir Peter's statesmanlike approach to the difficult and complicated problems confronting them.

In his response SIR PETER RUNGE said that modern society was in some danger of complacently accepting Sir Charles Snow's concept of the two cultures. The inference was that the scientist knew little about anything else and that his expertise was a closed shop to those versed in the social sciences and the arts. He refused to believe that the educational system could only turn out either a humanist or a scientist. Surely changes could be introduced that would modernise the humanist and humanise the scientist.

### Proper Emphasis on Education

The national emphasis currently placed on education must be right. Britain was a smallish country whose most important assets were the wits, courage, skills, brains and resourcefulness of its people. Manufacturing industry, on which the standard of living of the nation depends, was crying out for those qualities, and naturally looked to the education system to encourage and develop them. He believed industrialists were too backward in saying what skills and what training they wanted and that they should be more precise about the end product they needed. He noticed, for instance, that although the A.B.C.M. had forty-five national committees and panels, it had no education or training committee. It might consider setting one up. He applauded the efforts of the A.B.C.M. and A.C. & A.E. to amalgamate the two bodies.

The F.B.I. was engaged on a similar exercise, and he was convinced that to do so was right. Only through a single body would they gain a single powerful voice. At a time of such rapid and sweeping change as they were now experiencing, when new policies



MR. M. J. C. HUTTON-WILSON,  
Chairman of the Association.

by the executive of A.C. & A.E. would shortly be referred to the membership of both associations. The negotiations had been complex and difficult, and he took that opportunity of thanking Dr. Blakey (chairman, A.C. & A.E.) and his colleagues and their two directors (Messrs. Brearley and Chapman) for the sterling work done by them in seeking the solution to the problems.

A strong and well integrated association structure was essential for ensuring that the chemical industry had the means and will collectively to project its plans and policies within the overall plans and requirements of "Neddy." But no central organisation, however strong, could command obedience. Its effectiveness depended on the willingness and determination of its members to support its recommendations. In that respect, the response by individual companies to requests for information and professional assistance in the formation of collective policies and forecasts for Neddy was encouraging. It confirmed the forward-thinking attitudes of chemical manufacturers and showed acceptance of the principle that the overall advantages of collective action more than outweighed the



**SIR PETER RUNGE,**  
President, Federation of British Industry.

and administrative systems were always in the wind, it was necessary to negotiate from strength. The image must be one of responsibility and unity, whether looked at through the eyes of Government, Civil Service, trades unions or the public.

For years labour matters and commercial matters had been tackled, too, in separate rooms, and that was almost as true in the individual company as in most sectional or national organisations. That could not go on. On matters of high policy they required the views of a single body, not of three.

#### Officers and Council, 1964-65

Composition of the Council for 1964-65 is as follows:—**President:** Mr. J. C. Hanbury (Allen & Hanburys, Ltd.); **Vice-presidents:** Dr. F. H. Carr, C.B.E., Sir William Garrett, M.B.E., J.P., Sir Graham Hayman, Mr. B. Hickson (Hickson & Welch, Ltd.), Sir Harry Jephcott, Bt., Mr. C. F. Merriam, M.C., and Mr. G. F. Williams. **ELECTED MEMBERS:** **Chairman:** Mr. M. J. C. Hutton-Wilson; **Vice-chairman:** Mr. P. C. Allen; **Honorary Treasurer:** Mr. J. L. Harvey, M.B.E., D.L. (Laporte Industries, Ltd.); and Messrs. G. F. Ashford, O.B.E. (Distillers Co., Ltd.), G. H. Beeby (British Titan Products Co., Ltd.), E. L. Bush (W. J. Bush & Co., Ltd.), J. C. Christopherson (Albright & Wilson, Ltd.), W. A. M. Edwards (Imperial Chemical Industries, Ltd.), and C. E. Evans, O.B.E. (British Hydrocarbon Chemicals, Ltd.). Dr. T. Harrington (Hickson & Welch, Ltd.), Messrs. N. A. Iliff (Shell Chemical Co., Ltd.), P. D. O'Brien (Laporte Industries, Ltd.), N. F. Patterson, O.B.E. (Monsanto Chemicals, Ltd.), H. G. Rolfe (The British Drug Houses, Ltd.), J. E. Taylor (Unilever, Ltd.), J. H. Townsend (Imperial Chemical Industries, Ltd.). **CO-OPTED MEMBERS:** Mr. F. A. Jackman, Dr. H. M. Kimberley and Mr. A. Robinson.

## STATUTORY COMMITTEE

### Two names removed from Register

THREE pharmacists appeared before the Statutory Committee on October 17, and the names of two of them were ordered to be removed from the Register.

The Committee found proved against Horace John Hill Poole, Bristol, convictions (eleven in all) for selling Part I poisons otherwise than by or under the supervision of a registered pharmacist; for selling listed and/or scheduled poisons not labelled in the correct manner; and for selling a Schedule 4 poison otherwise than on a medical prescription. Before the Committee gave its decision Mr. A. C. Castle (the solicitor who put the facts before the Committee) gave details of previous convictions of the member for failing to keep proper records of transactions in Dangerous Drugs, for failing to keep such drugs under lock and key, and for illegally selling Part I poisons. In respect of the last-named conviction Mr. Poole had previously appeared before the Statutory Committee, which had postponed its decision for twelve months (a term not completed at the time of the October 17 hearing). Mr. Poole told the Committee of his difficulties in recruiting staff. He said he had now bought a company and changed the name and put in another pharmacist as director. The chairman announced, after a retirement, that the Committee had no option but to direct removal of Mr. Poole's name from the Register. The offences, coupled with the member's past history, indicated an irresponsible attitude to professional responsibilities. He pointed out that the direction would not take effect for three months.

#### "Favourable Chance" of Readmission

The next inquiry involved Mr. John White Martin, 32 Charlotte Street, Leith, in respect of whom the Committee found proved an "alleged course of conduct," the subject of one complaint, and a conviction alleged in a second. The Committee came to the conclusion, said the chairman, "with the greatest possible reluctance," that Mr. Martin's name must be directed to be removed from the Register. The offence in the "course of conduct" had been to sell twenty-four tablets containing a Schedule 4 poison otherwise than on or in accordance with a prescription; the conviction was in respect of a similar transaction. Mr. Rodney Bax appeared as counsel for Mr. Martin. He brought out in his examination that Mr. Martin's business had suffered from loss of customers caused by a local clearance scheme, and that he would have little hope of selling his business if that became necessary; that he had, on one occasion, called in the police to deal with a man who threatened violence when refused a Schedule-4 drug without a prescription; that the sales complained of had been made at standard prices, not at the inflated prices often encountered in illicit transactions; and that Mr. Martin had produced an unusually large number of testimonials to his character and standing in the community from people in many walks

of life (including a former Lord Provost of Edinburgh). Nevertheless the chairman of the Statutory Committee (Mr. J. C. Leonard, M.A.), in announcing the Committee's decision, said that the case was one of deliberate infringement, done without any excuse. There were no circumstances justifying a differentiation of the case from others in which a deliberate infringement had taken place. The member had the right of appeal, and the chairman said the Committee had authorised him to say that, in view of the quite exceptionally good references that had been produced at the hearing, an application for restoration "would seem at any rate to have a favourable chance of success."

#### Admonished

In the third case a member who had been told, on the occasion of a police officer's visit to inspect the Dangerous Drugs in the pharmacy, to get repaired a faulty lock on the Dangerous Drugs cupboard, but who had not done so by the time the police-officer returned with an inspector next day, was admonished. The member, who was present at the hearing, spoke of clear indications that the lock had been forced by an intruder, and of many attempts made by telephone, but without success, to get a joiner to repair the lock. He agreed that he could have fitted some sort of temporary lock, or removed to a safe place the contents of the cupboard, but he had wanted a permanent repair of the mortise lock. The chairman said it was unfortunate that the case had not come before the Committee in connection with another matter in March, but did not think the decision would have been any different if it had.

## BRANCH EVENTS

### WEMBLEY

#### Amendments on Reconstitution

FOUR motions suggesting amendments to the proposals for reconstituting the Pharmaceutical Society's Council were approved at a meeting of the Society's Wembley Branch on October 12. They were:—

THAT, except for the Privy Council members, all others should be members of the Pharmaceutical Society.

THAT no special provision be made for superintendents of Co-operative societies and public companies.

THAT provision be made for a representative of employee pharmacists.

THAT a "referendum" be taken before final proposals are drawn up.

Earlier MR. J. C. BLOOMFIELD (vice-president, Pharmaceutical Society) had enlarged on the proposals. He said that the main reasons for a change were the increased membership; to provide for representation of governing bodies in the academic field, and to ensure that sectional interests were also represented. In reply to a member Mr. Bloomfield said that as employees were strong numerically no special provision for them was necessary. Another member observed that within the "election by the whole membership" there would be four little elections.

## LEGAL REPORTS

### Forged to Sell to Teenagers

DESCRIBING a forty-four-year-old Manchester woman as a menace to teenagers the chairman at Liverpool County Sessions on October 13 sentenced Mrs. Jean Elizabeth Obrzut, 74 Heald Place, Great Western Street, Manchester, to four years' imprisonment. Mrs. Obrzut had pleaded guilty to two charges of obtaining drugs by forged prescriptions and had asked for thirty-nine further similar offences to be considered. A detective-constable said Mrs. Obrzut had fourteen previous convictions for obtaining drugs by forged prescriptions. The prosecution said that with a man and another woman who had since appeared before the court, the defendant had obtained the drugs from chemists in Manchester, Nottingham and Warrington.

### Young Addicts

Two youths described as drug addicts were remanded by the Bradford magistrates on September 23 to a prison hospital for three weeks for medical reports. They were Geoffrey Harry Robinson, shop assistant, Tyersall Lane, and Michael Patrick Holdsworth, Dorchester Crescent, and were charged with breaking into the Tong Street pharmacy of the Bradford District Co-operative Society, Ltd., on September 18 and stealing a number of poisons including 500 Drinamyl tablets (purple hearts), 500 Dexedrine tablets and 20 krameria and cocaine lozenges, 12 hypodermic needles and a camera worth £12 17s. The prosecution said the drugs were "infinitely dangerous" and their potential for evil far exceeded the paper value placed on them. The youths, who were 16 and 17 years of age, had told the police they were under the influence of drugs at the time. They both had admitted the offences and stated that they were addicted to some of the drugs. One of the youths was said to be suffering from an overdose of drugs as he stood in the dock.

### Trade Mark Petition Refused

A PETITION by Farbenfabriken Bayer, A.G., Leverkusen, Germany, asking for special leave to appeal in a Southern Rhodesian trade mark dispute, was refused, with costs, by the Judicial Committee of the Privy Council in London on October 19. Farbenfabriken Bayer asked for leave to appeal from a judgment of the Federal Supreme Court of Rhodesia and Nyasaland which had dismissed their appeal from a judgment of Mr. Justice Macdonald sitting in the High Court of Southern Rhodesia. He rejected their application for an order directing Bayer Pharma (Pty.), Ltd., a South African pharmaceutical company and a subsidiary of Sterling Drug, Inc., New York, to assign to them two Bayer Cross trade marks or any other trade marks having any relation to the name Bayer. The case for the German concern was that as the result of the exchange of certain letters at the outbreak of war in 1939 their predecessors were entitled to direct the South African company to re-assign to them certain trade mark rights which had been

assigned to the South African company in error. The South African company's answer was that the rights of the petitioners were abrogated by the war.

### Illegal Sales in South London

THREE South London men—two of them pharmacists—were summoned recently at Lambeth magistrates' court for offences under the Pharmacy and Poisons Act, 1933. They were David V. Jones, M.P.S., Kennington Road, who was fined £9 and £7 7s. costs; Alan Harris, East Street, Walworth, who was fined £40 with £10 10s. costs and William Brown, M.P.S., Half Moon Lane, Herne Hill, who was fined £12 with £7 7s. costs. All three were prosecuted by the Pharmaceutical Society. The court was told Harris ran a domestic store cum general store. He was visited by a representative of the Society who asked for codeine and Therex tablets, which were supplied by a girl assistant. Harris pleaded guilty to the illegal sale of poisons. Brown admitted sales without the supervision of a registered pharmacist (he was abroad on holiday when the offences were committed), and it was stated "There is room for sympathy in Mr. Brown's case." He was said to have found a temporary replacement before going on holiday, but the locum failed to turn up, and an unqualified assistant carried on the business "as usual." For Mr. Jones, who pleaded guilty to three offences, it was stated that he had been having difficulty with the manager of his Kennington Road branch, who was a sick man. The Society's view was that, if it became impossible to provide a qualified manager then the shop would be closed.

## COMPANY NEWS

Previous year's figures in parentheses

**AMERICAN CYANAMID CO.** — Sales in the first nine months of the year at £206,470,000 were up 10 per cent. compared with the same period of 1963.

**BARCLAY & SONS, LTD.** — A dividend of 12½ per cent. is declared on capital increased by loan stock conversion, for year to April 30 (10 per cent. on smaller capital). Profit, £19,139 (£15,790), before tax of £3,792 (£6,035).

**STOCKDALE ENGINEERING, LTD.** — Mr. G. P. Balfour has resigned his position as managing director in order to concentrate on his work as managing director of Lightnin Mixers, Ltd. He will remain on the board of Stockdale Engineering, Ltd.; Mr. G. H. Duffield succeeds him as managing director.

**WILLOWS FRANCIS, LTD.** — A final dividend of 17½ per cent., making 25 per cent. for the year ended June 30, is proposed (unchanged). Group profit is £93,086 (£86,984) and net profit after tax of £45,970 (£45,063), is £45,821 (£41,356). The group profit for 1963 included £10,750 for the sale of patent rights.

**GREEFF - CHEMICALS HOLDINGS, LTD.** — An interim dividend of 3½ per cent. on capital increased by a one-for-four scrip issue is declared against the equivalent of 3·2 per cent. Group profit, before tax, for the half-

year ended June 30 was £157,115 (£126,030) including income from trade investments actually received in the first half of £87,574 (£83,074).

**PECHINEY-SAINT GOBAIN.** — Net profits of Produits Chimiques Pechiney-Saint Gobain for 1964 are expected to be higher than in 1963, according to the company's president. Business turnover is expected to show an increase of 16-17 per cent. to about Fr.1,450 millions, 17 per cent. of the total being accounted for by exports. Fifty per cent. of exports go to Common Market countries. Investments in 1964 will amount to Fr.100 millions, against Fr.120 millions in 1963.

## BUSINESS CHANGES

**KENNETH WESTON MARKETING, LTD.**, have taken over Molasses Products, Castle Donington, Derby.

**JACK BRITTON CHEMISTS, LTD.**, have opened a branch at 64 Derby Road, Long Eaton, Notts, under the management of Mr. G. Jackson, M.P.S.

**DORMAN PHARMACY, LTD.**, is the new trading title of McHardy (Chemists), Ltd., 203a East Lane, North Wembley, Middlesex.

**SELLS CHEMISTS (M. A. Watt), 25 Grosvenor Road, Tunbridge Wells, Kent, has closed after 104 years as a pharmacy.**

**MR. K. W. RATHBONE, M.P.S.**, has opened a pharmacy in Main Street, Alrewas, Staffs. Mr. Rathbone intends to form a private limited company.

**J. E. AND N. A. RICHARDSON (CHEMISTS), LTD.**, have acquired the pharmacies at 230 Halliwell Road and 541 Tonge Moor Road, Bolton, Lancs, from Mr. W. Crumblehulme, M.P.S., who has retired.

**MARTINDALE SAMOORE, LTD.**, have opened a warehouse at Ringwood Road, West Howe, Bournemouth, Hants (telephone: 27554). Mr. L. W. Parsons has been appointed pharmacist manager of the dépôt. The company's premises at New Milton are being closed and the business transferred to the new dépôt.

### Appointments

THE appointment of Dr. T. D. Whittet as Deputy Chief Pharmacist, Ministry of Health, which has been widely spoken of unofficially for some weeks, has now been officially confirmed. Dr. Whittet takes up his duties within the next few months, upon completion of his present term of office as chief pharmacist, University College Hospital.



**PRINTAR INDUSTRIES, LTD.**, Prince Regent Wharf, London, E.16, have appointed Messrs. G. Howell and E. Martin, area sales supervisors with responsibility, respectively, for the South-east and the Midlands, and for Wales and the West and North.

## PERSONALITIES

**DR. L. G. GOODWIN, M.B., B.S., B.Pharm.**, head of the new Nuffield Institute of Comparative Medicine, London, has been appointed to the Tropical Medicine Research Board of the Medical Research Council.

**MR. A. D. FEAR** has resigned his position with Martindale Samoore, Ltd., and asks that any personal correspondence should be sent to his private address, 18 Holmesdale House, West End Lane, London, N.W.6.

**PROFESSOR M. F. A. WOODRUFF** (Department of Surgery, University of Edinburgh), who delivered the Conference Lecture at the British Pharmaceutical Conference in Edinburgh in September has been appointed to the Clinical Research Board of the Medical Research Council.

**MR. WINSTON CRUMBLEHULME, M.P.S.**, Bolton, Lancs, who has just retired (see p. 420), qualified at Edinburgh, in October 1928. Mr. Crumblehulme returned to manage a branch of the firm to whom he had been apprenticed. He later went into business on his own account and at one time had six pharmacies in Bolton. He was secretary of the Bolton Pharmaceutical Association for twenty-five years. As a representative on Bolton Council for ten years he was zealous to improve the health service and was instrumental in getting a free choice of doctor for public assistance patients. From 1948 he served on the committee of the local Executive Council and for three years he was national chairman of the Council of Retail Distributors which entailed many visits to the Continent.

**MR. JOHN P. O'DONNELL**, the new president of the Pharmaceutical Society of Ireland, was born in Charlestown. Elected only six years ago, Mr. O'Donnell was not long in making his presence felt with sound, constructive contributions. All branches of pharmacy may rest assured that their interests will be fully



looked after by a man intent upon raising the status of the profession. Mr. O'Donnell served his apprenticeship with the late Mr. G. Hewson, Ballina, a former examiner to the Society, and qualified in 1939. The following year he opened his own pharmacy in his native town, helped by his wife (formerly Miss Nancy Manning, Castletown-Geoghegan, co. Westmeath), who is also a pharmacist. Mr. O'Donnell, who was educated at St. Nathy's College, Ballaghaderreen, is keenly interested in the drama. He is a former president and secretary of the West of Ireland Chemists' Association and a former committee member of the Irish Drug Association, from which position he resigned when co-opted to the Council. Since transferring to Shrewsbury

Road he has shown a particular interest in the problems confronting veterinary pharmacy.

**MR. M. L. CASHMAN**, the new vice-president, and former treasurer, of



the Pharmaceutical Society of Ireland, has long been recognised as an able administrator. Since joining the Council eight years ago he has distinguished himself as a debater. A native of Brookhill, Beaufort, co. Kerry, he was educated by the Christian Brothers and later at University College, Dublin. He served his apprenticeship with Mr. E. McMahon, Burgh Quay, qualifying in 1939. Two years later he opened a pharmacy at Upper Rathmines Road, Dublin. In 1956 he qualified as an optician. Mr.

Cashman is widely experienced in public affairs, and was a member of Dublin Corporation for many years. A better-than-average golfer, he won the Edmund White cup when the British Pharmaceutical Conference met in Dublin in 1956.

**MR. T. R. MILLER**, the new treasurer of the Pharmaceutical Society of Ireland, gives generously of his time in fostering the interests of the profession. Coming from Blessington, he was educated at a private school in Clane, served his apprenticeship with George Brown & Son, Ltd., St. Stephen's Green, Dublin, and qualified in 1942. Later he managed the company's Wexford Street branch and in 1944 was appointed a director (managing director in 1960). An ex-president of the Association of Ophthalmic Opticians of Ireland, Mr. Miller is on the council of that body and a member of the Optical Board. He is a former editor of the ophthalmic opticians' journal *Radharc*, which he took a major part in founding. Among his hobbies are golf and carpentry. His wife (née Jones) is a daughter of a former London pharmacist and he has three children.

## NO PHARMACIST IN THE HOUSE

### Pharmaceutical and allied manufacturers well represented

THE General Election on October 15 brought inevitable knocks for many candidates. Of greatest import to pharmacists was the defeat of **SIR HUGH LINSTEAD, O.B.E.** (a secretary of the Pharmaceutical Society) at Putney by his Labour opponent, who had a majority of 5,121. Sir Hugh Linstead had held the seat for the Conservative Party since 1945. Out also went the only other pharmacist seeking re-election—**MR. A. G. BROWN**, at Tottenham, who since the previous election had resigned from the Labour Party and sought re-election as a Conservative.

The three pharmacists (Messrs. J. LESTER, W. I. SHIPLEY and J. G. TOMKINS) standing for the Liberal Party in respectively, Batley and Morley, Bromley and Bebington, constituencies, all came third in the voting order. All were breaking new ground for their party, and Mr. Shipley came within a few hundred votes of the runner-up at Bromley.

**SIR ARTHUR VERE HARVEY** (chairman of the CIBA companies in Britain), **MR. GEOFFREY A. N. HIRST** (a former chairman of Hirst, Brook & Hirst, Ltd.), **SIR STEPHEN MCADDEN** (a director, Camden Chemical Co., Ltd.), and **SIR CHARLES TAYLOR** (joint managing director, Cow & Gate, Ltd.), all held their seats for the Conservatives. **SIR BARNETT STROSS** (a director, Biorex Laboratories, Ltd.) retained his seat for Labour at Stoke-on-Trent Central. Among newly elected Members were **MR. P. JENKIN** (secretary and legal adviser, Distillers Co., Ltd.) (C., Wanstead and Woodford); **DR. DAVID KERR** (secretary of the Socialist Medical Association) (Lab., Wandsworth Central); **DR. SHIRLEY SUMMERSKILL** (a member of the executive of the Socialist Medical Association and Medical Practitioners Union) (Lab., Halifax); and **MR. MAURICE ORBACH** (chairman,

Central Middlesex Group hospital management committee) (Lab., Stockport South).

### New Ministers

The Minister of Health in the last Government (**MR. ANTHONY BARBER**) was defeated at Doncaster, but his predecessor in office (**MR. J. ENOCH POWELL**) retained his seat.

The new Minister of Health is **MR. KENNETH ROBINSON**, who has represented St. Pancras North, London, since



Mr. K. Robinson.



Mr. D. Jay.

1949, and has been the Party's spokesman on health matters since 1961. Mr. Robinson is vice-president of the National Association for Mental Health and has been a member of the North-west Metropolitan Regional Hospital Board since 1951.

The new President of the Board of Trade is **MR. DOUGLAS JAY**; **MR. FRANK COUSINS** is Minister of Technology whilst **SIR CHARLES SNOW** is the Parliamentary Secretary to that Ministry. Among other Parliamentary Secretaries are **DR. STROSS** (Ministry of Health) and **LORD RHODES** (Board of Trade). **MESSRS. G. DARLING, E. REDHEAD** and **R. MASON** are Ministers of State, Board of Trade.

## OVERSEAS VISITS

MR. B. M. WOOD (director and London manager, Drug Houses of Australia Export, Ltd.) has left the United Kingdom on a visit to the company's parent company in Australia. Whilst there he will call on all their many branches and associates. The visit will also include calling on their principals in New Zealand for whom they have acted as London agents for many years. On the outward trip Mr. Wood will stop over in San Francisco and on the return in Singapore to examine the possibilities of further business in these markets.

## MARRIAGES

PHILLIPSON—KERRIDGE.—Recently, Neil R. Phillipson, M.P.S., Corton, Lowestoft, Suffolk, to Pauline Honor Kerridge, Ipswich.

WITTHOFT—CHILDS.—At St. Mary's Church, Swanage, Dorset, recently, Robert John Wittoft, M.P.S., Kings Avenue, Christchurch, Hants, to Hazel Winifred Dawn Childs, Swanage.

MACFARLANE—GILLESPIE.—At St. Francis of Assisi Church, Aberdeen, recently, Alexander Malcolm MacFarlane, M.P.S., 50 High Street, Fort William, Inverness-shire, to Patricia Ann Gillespie, M.P.S., 137 Duthie Terrace, Aberdeen.

## DEATHS

BELL.—On October 4, Mr. Thomas Bell, M.P.S., 33 Byfield Gardens, London, S.W.13. Mr. Bell qualified in 1932.

BERRY.—Recently, Mr. Ronald Berry, M.P.S., Three Roads Cottage, New Barns Road, Arnside, via Carnforth. Mr. Berry qualified in 1924.

FOX.—Recently, Mr. Philip Joseph Fox, M.P.S.I., Tramore, co. Waterford, Eire. Mr. Fox qualified in 1916, started business in Tramore forty-five years ago, and later opened a pharmacy at The Quay, Waterford. He was a member of the Tramore Development Association and a former member of the Tramore Town Commissioners and the Waterford County Council.

HILL.—On October 1, Mr. Ernest William Hill, M.P.S., 126 Pencisely Road, Llandaff, Cardiff, aged eighty-nine. Mr. Hill was for nearly forty years the Wales and Border Counties representative of T. Kerfoot & Co., Ltd.

HORSBURGH.—At 43 Falcon Avenue, Edinburgh, suddenly, on October 16, Mr. John Horsburgh, M.P.S., 274 Canongate, Edinburgh. Mr. Horsburgh qualified in 1935.

JOHNSON.—Recently, Mr. Terence Desmond Johnson, M.P.S., 56 Linden Road, Newcastle-on-Tyne, 3. Mr. Johnson qualified in 1928.

KINNIBURGH.—Recently, Mr. Hugh Neil Forester Kinnburgh, B.Sc., F.P.S., aged fifty. Mr. Kinnburgh was group chief pharmacist at Aberdeen Royal Infirmary. Before going to Aberdeen, in 1947, he worked at the Southern General and the Hawkhill Mental Hospitals in Glasgow.

McWILLIAM.—Recently, Mr. James Slater McWilliam, M.P.S., Bridge Street, Dunkeld, Perthshire. Mr. McWilliam qualified in 1941. He took an active

part in the work of the Dundee Pharmaceutical Committee and had been in business in Dunkeld for some fourteen years. He is survived by his wife and two daughters.

MILNE.—On October 12, Mr. Daniel Taylor Milne, M.P.S., 58 Joppa Road, Edinburgh, 15. Mr. Milne qualified in 1923.

NEIL.—On October 12, Mr. David Murdoch Neil, M.P.S., 15 Hayward Road, London, N.20. Mr. Neil qualified in 1931.

PACK.—Recently, Mr. Raymond George Pack, M.P.S., Abington, Rectory Road, Church Warsop, nr. Mansfield, Notts. Mr. Pack, who qualified in 1949, was chairman of the Mansfield Branch of the Pharmaceutical Society and director of Lathams The Chemists, Ltd., Warsop. He was prominently associated with the Warsop Youth Club and with a riding club in the district. He is survived by his widow and two children.

SMITH.—Recently, Mr. Francis Edwin Smith, aged eighty-one. Before his retirement in 1949, Mr. Smith was with United Chemists Association, Ltd., Cheltenham, Glos., for whom he was instrumental in developing tablet production. He began his career in a South Kensington, London, pharmacy in the 1890's, and was for twenty years with Parke, Davis & Co., at Hounslow, Middlesex. He went to Cheltenham in 1919 to join Messrs. U.C.A.L. Returning to London in 1923, he joined the laboratories of Menley & James, Ltd., and was with that company for about ten years before going back to Cheltenham, where he stayed with Messrs. U.C.A.L. until 1949.

TOLKIEN.—On October 10, Mrs. Hilda Annie Tolkien, 15 Castle Road, Keighley, aged eighty-one. Mrs. Tolkien was the proprietor and a co-director of Dales Tablet Makers, Ltd., Silsden, Yorks, forerunner of Dales Pharmaceuticals, Ltd., of which her daughter (Miss S. Tolkien) is a director.

Tomlinson.—On September 20,



**PARISIAN LIPSTICKS IN THE MAKING:** M. Pierre Desvachez (left) explains to Mrs. Joan Head, Wood Green, and Miss P. M. Hutt, Braintree, Essex, assistants in branches of Boots, Ltd., how the first stage in lipstick manufacture is formulated and prepared. In the picture the mixture is seen being poured as a hot liquid into cooling tubs. While still warm and fairly liquid it is then poured into bandoliers of cartridge-shaped tubes to cool; finally it is extracted with gloved hands and inserted into the lipstick holders, labelled with the colour name, and packed. In centre of picture is Mme. Monniot (export) sales manager of the house of Baudecroux. The visit was part of a week-end in Paris won by twenty chemists' and beauty-counter assistants in a competition run by Warrick Brothers, Ltd., manufacturers of *Rouge Baiser* lipsticks in Britain.

Mr. Ernest Tomlinson, M.P.S., 319 Legrams Lane, Lidget Green, Bradford, Yorks. Mr. Tomlinson qualified in 1921.

TREVETHICK.—On September 23, Mr. Edgar George Trevethick, M.P.S., 43 Franche Road, Kidderminster, Worcs. Mr. Trevethick qualified in 1905.

WARD.—Recently, Mr. Harry Ward, M.P.S., 35 High Street, Wellingborough, Northants, aged fifty. Mr. Ward had been in business at the above address for some six years.

WATSON.—On September 19, Mr. William Spence Watson, 9 Holmlands Park North, Sunderland, co. Durham. Mr. Watson qualified as a chemist and druggist in 1920.

## A WORKS EXPANDS

### Centralisation at Willesden

A MUCH needed increase in warehousing, goods intake and dispatch department has been provided for Chesebrough-Ponds, Ltd., at their Willesden, London, headquarters, with the opening of a new building giving 59,250 sq. ft. of flooring on two floors. The new premises, which were opened officially by Mrs. Jerome A. Straka, wife of the president of Chesebrough-Pond's, Inc., on September 10, allows for the consolidation of five manufacturing facilities from all parts of the country with Chesebrough-Pond's main plant on the borders of Willesden and Acton. The company's operations in former factories and offices in Slough, Southend, Blackfriars and Perivale, have now all been centralised in Willesden, and all the Chesebrough-Pond's 1,200 employees are now "under one roof."



A fork-lift truck in operation in the new warehouse. The fork-lift is able to raise full-loads to a height of 25 ft., opening up new levels of storage in the new warehouse.

## N.H.S. STATISTICS

IN ROCHDALE total expenditure of the Executive Council during year ended March 31 was £395,156. Pharmaceutical services cost £162,358 compared with £150,018 in the previous year. 452,774 prescriptions were dispensed.

# BONUS

## TYROZETS

**winter bonus terms now available**

Once more, extremely generous bonus terms are available for 'Tyrozets', the ever-popular, fast-selling throat lozenge. Obtain your winter stocks now, and have the benefit of the very real profit increases which these terms provide. If you have not already had details, please let us know without delay.

To aid your sales of 'Tyrozets', a new and attractive counter display stand is now available from our Representative.

'Tyrozets' is a registered trademark



MERCK SHARP & DOHME LIMITED  
HODDESDON, HERTS

## ANNOUNCING THE NEWEST DEVELOPMENT IN ORAL CONTRACEPTION

## THE SEQUENTIAL APPROACH

# FEMINOR SEQUENTIAL

**DOSAGE:** Feminor Sequential consists of a 20-day course of tablets. For the first 15 days, a pink tablet is taken containing 0.1 mg of mestranol; and for the remaining 5 days a white tablet is taken containing 5 mg of norethynodrel and 0.075 mg mestranol.

### MOST ADVANCED ORAL CONTRACEPTIVE

This is the most advanced preparation in the field of oral contraception and is the latest development of the Medical Division of London Rubber Industries which, for 30 years, has been the leader in modern family planning.

### CONTRA-INDICATIONS

Feminor Sequential ensures optimum patient tolerance and regular cycle control. It limits the unpleasant side effects sometimes experienced with other oral formulations, and reduces the risk

of long-term harmful effects. Yet this reduction involves no loss of contraceptive efficiency. All oral contraceptives are, of course, contraindicated where there is a history of thrombo-phlebitis, pulmonary embolism, or cardiac, renal or hepatic dysfunction. Similarly, carcinoma of the breast or genital tract should preclude administration.

### WHEN OTHER METHODS ARE UNACCEPTABLE

When a patient finds other methods of contraception unacceptable, then Feminor Sequential represents the new and safest approach to oral contraception. Supplies are available from your usual ethical wholesaler.

More details of Feminor Sequential are contained in literature available from: The Medical Division, Dept. O.T., London Rubber Industries Ltd., Hall Lane, London, E.4.

THE SEQUENTIAL APPROACH—FEMINOR



## NEW PRODUCTS AND PACKS

### PHARMACEUTICAL SPECIALITIES

**Radiographic Fatty Meal.**—To meet requests for a pleasant-tasting fatty meal for assessing gall-bladder contractility, Schering, A.G., Berlin, Germany, have made available, through their United Kingdom subsidiary Pharmethicals (London), Ltd., Victoria Way, Burgess Hill, Sussex, a new speciality Biloptin fatty meal. In each 20 gm. of the powder in the sachet 8.9 gm. is sorbitol and 10 gm. is dried egg yolk.

**Treatments for Constipation and Haemorrhoids.**—Latest additions to the range of pharmaceutical products of the pharmaceutical division of Horlicks, Ltd., Slough, Bucks, are two products available to the medical profession from October 19. Normax is a treatment for constipation, and Norval is an oral treatment of haemorrhoids. Both are available in bottles of thirty and 250 soft gelatin capsules. Each brown Normax capsule contains 60 mgm. of dioctyl-sodium sulphosuccinate and 50 mgm. of 1,8-dihydroxyanthraquinone. The product is indicated in the treatment of functional constipation in children and immobilised patients, and constipation in geriatric practice or pregnancy. Norval contains 60 mgm. of dioctyl-sodium sulphosuccinate in each pink capsule. It is indicated whenever a softening of faecal matter is desirable.

### OVER-THE-COUNTER MEDICINALS

**Sore Throat Lozenges.**—Hills Pharmaceuticals, Ltd., Spring Bank Works, Nelson, Lancs, are introducing on November 9 a new antibiotic and anti-septic speciality, Hills' sore throat lozenges, in tube of fifteen. The product is being nationally advertised. Distribution is exclusive to pharmacists.

**New Packs.**—Reade Bros. & Co., Ltd., Sharrocks Street, Wolverhampton, are issuing their Express powders in new carton of eight in display outer of 1 doz.; in a new display carton of sixty-

six powders for loose powder sales; and in a carton of twenty-two powders. The display carton of sixty-six powders replaces the old sizes of fifty-four and 130 powders now discontinued.

**New Sizes.**—Vick International, Ltd., 10 New Burlington Street, London, W.1, have launched nationally a 4-oz. size of Vick formula-44 bronchial decongestant, offering, they state, a considerable saving on the small size. Also introduced throughout Great Britain is a new 2-oz. pack of Vick vapour rub.

### FOODS

**Non-sugar Sweetener.**—Energen Foods Co., Ltd., Ashford, Kent, offer Energen non-sugar sweetener tablets in a cardboard "dispenser" of twenty-four (two units of twenty-four to an outer). The product is also available in carded bubble packs in an outer of forty-eight.

### COSMETICS AND TOILETRIES

**"Supremely Feminine" Perfumes.**—Myram Picker, Ltd., Surbiton, Surrey, are distributing two new perfumes



Left: New "economy" size (more than twice the quantity of the standard size) of Cutex oily polish remover (Chesebrough - Pond's, Ltd., London, N.W.10). Right: Giant-size spray and ordinary bottles of Misty Quick-Set lotion (see paragraph above).

→  
←  
**NEW LABEL:** One of the best-known and established setting lotions, Amami styling lotion, manufactured by Beecham Toiletry Division, has had a label change. The new label is designed to keep the Amami image as one of the most modern, up-to-date products in the field.

**Aerosol Beauty Products.**—Two new specialities marketed by F. & G. Turnpenny, Ltd., 41 Dover Street, London, W.1, are JayNay foam shampoo and Beeraset setting spray. "The press-button-easy application of both these products," say the company, "cuts out shampoo-night spills." JayNay is sold in a twenty-shampoo can and provides, it is claimed, a foamy high-quality shampoo and conditioner suitable for all types of hair. Beeraset contains beer to give hair body and fullness and is described as ideal for spraying on damp hair immediately after shampooing or on dry hair to give the moisture and body for a mid-week set. JayNay is packaged in black and gold and Beeraset in lavender and black.

**Hair Beauty Treatment.**—Saga of Bond Street (Rayette Beauty Products, Ltd.), 210 Bath Road, Slough, Bucks, have introduced a new product Misty Quick Set, a newly formulated setting lotion that holds the set "from shampoo to shampoo." The packs are a giant-size spray bottle and a giant size



conventional bottle (it may be used with the spray unit if preferred).

**Repackaged.**—Riche (Mayfair), Ltd., 14 Hay Hill, Berkeley Square, London, W.1, have repackaged their series of hair products so that the contents of each container are clearly and distinctly marked and to ensure that the products "find a place on my lady's dressing-table." The range has been widened to include a herbal based rosemary shampoo, a brandy-and-egg shampoo and a hair tonic Glug-Glug (containing vitamin C) for babies and young children.

**Autumn Perfumery Series.**—Elizabeth Arden, Ltd., 25 Old Bond Street, London, W.1, direct attention to their range of Memoire Chérie preparations, comprising perfume, "perfumair" (a leak-proof handbag phial with jewelled top), purse atomiser (a cut-glass bottle of perfume with gilt automatic spray top), golden perfume atomiser with metered spray, perfume mist (a lighter version of the perfume in lilac-tinted aerosol spray bottle), flower mist (for use as toilet water), flower mist spray (in lightweight aerosol container), dusting powder (in a variety of containers), bath salts, bath oil (in box of 5 phials), bath salts, bath soap, hand soap, hand lotion in dimple glass bottle, and *de luxe* gift set.

### SUNDRIES

**Handy-pack Spray Container.**—Klostorfrau (Great Britain), Ltd., 16 Berke-



**LATEST OF A LINE:** A new Andrews liver salt tin—the first in ten years—is being introduced by the Phillips, Scott & Turner Co., 2 St. Mark's Hill, Surbiton, Surrey. The design uses the same basic colours (green, black and white) but in more lively hues. It is here shown against a background of some of the designs used in the seventy years of the product's life.

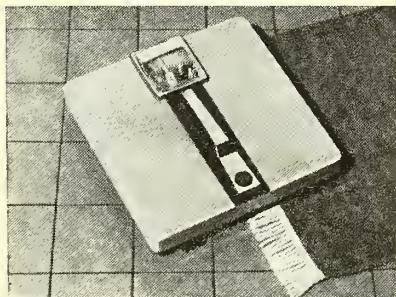
which they describe as "supremely feminine." Known as White Lace and Black Lace respectively, they are available in perfume, talc, Cologne and hair spray. A counter unit is available which presents all the products in the series.

**Now a Hair Cream in the Range.**—Newly added to the Cedar Wood range for men manufactured by Goya, Ltd., 161 New Bond Street, London, W.1, is a non-greasy hair cream in a novel "dispenser." The cream contains little oil and therefore "gives only a natural-looking sheen to the hair." It also contains a light fixative to help keep hair in place. New, too, is its plastic container, light in weight, virtually unbreakable and "dispensing" cleanly and efficiently the right amount of cream by gentle pressure. A small plug reseals the aperture, ensuring non-leakage. Refills for the "dispenser" come in their own container—complete with fitted lid—and are ready for use by simply extracting the plunger-top from the used dispenser and pushing it down into the refill.



ley Street, London, W.1, state that unprecedented demand for their Nopaine first-aid Spray bandage has led them to introduce, earlier than planned, a 4-oz. handy pack container sent out six to a display outer. The 6-oz. size continues to be issued.

**Bathroom Scales.**—Following a successful test marketing campaign in central Scotland, Robert Krups (Great Britain), Ltd., 136 Renfield Street, Glasgow, C.3, announce that their range of domestic appliances is shortly being distributed throughout the United Kingdom. In one of them, the Regina bathroom scale illustrated, the makers claim to have "combined all that modern technology can offer in precision and



design, plus 100 years' experience of building scales." The company's patented balancing mechanism is claimed to guarantee peak accuracy at all times, "even on sloping or bumpy surfaces." The mechanism is shielded against humidity and a carrying handle is fitted for convenience. The instrument is available in six colours, has non-skid feet and is of enamel-lacquered all-steel construction. The platform covers are washable, tear-proof and rot-proof. The scale is issued with a five-year guarantee.

**Drug Tariff Additions.**—An additional 1-yd. length of the Cortacream bandage of Smith & Nephew, Ltd., Bessemer Road, Welwyn Garden City, Herts, has been included in the Drug Tariff (England and Wales only) under the title "hydrocortisone and silicone bandage." Cortacream bandages are used in the treatment of infantile eczema and itching skin disorders. Each is sealed in polythene and cartoned. Another addition to the Tariff is Melolin XA, a dry, non-adherent, absorbent dressing which appears in the Drug Tariff (again for England and Wales only) under the title "perforated film absorbent dressing" (synonym: "P.F.A.

dressing"). Melolin XA is a sterile, dry, non-adherent, absorbent dressing consisting of a perforated polyester film, lightly bonded to a soft absorbent pad, backed by B.P.C. gauze. The dressing is claimed unique in construction and

suitable as a cover "wherever the skin is broken." The pack is a single piece 10 cm. x 10 cm. (4 x 4 in.) in sealed envelope and sterilised. The product is also available (though not on the Drug Tariff) in other sizes.

## TRADE NOTES

**Discontinued.**—Ortho Pharmaceutical, Ltd., Saunderton, Bucks, announce that Actase plasmin (human), formerly available to hospitals, is now withdrawn from production.

**Not Withdrawn.**—Boots Pure Drug Co., Ltd., Station Street, Nottingham, point out that their speciality Metastab tablets has not been withdrawn [corrected note].

**Change of Ownership.**—Barnes & Crompton, Ltd., Ribble Bank Mills, Preston, Lancs, have acquired the proprietary medicine known as Watkinson's liquorice tolu.

**Cosmetics Stolen.**—Hazel Bishop, Ltd., 29 Old Bond Street, London, W.1, report that substantial quantities of Hazel Bishop lipsticks, nail enamel, powder compacts, Creme 'n powder foundation and Fresh 'n bright complexion colour were stolen in transit in the London area on or about September 28.

**Now Nationally Distributed.**—Boehringer Ingelheim, Ltd., Isleworth House, Great West Road, Isleworth, Middlesex, announce that their Halaspary mouth freshener, launched on an area basis less than two months ago, has had sales beyond expectations and distribution is accordingly being extended nationally. Distributors are Geigy Pharmaceutical Co., Ltd., Wythenshawe, Manchester, 23.

**A New Size and a Refill.**—The Bayer Products Co., Winthrop House, Surbiton-upon-Thames, Surrey, announce that their Panadeine co. analgesic is now available in a 1,000-tablet pack in addition to the 100-tablet dispensing pack. Refills are also now available for Bronchilator aerosol (against chronic asthma and bronchitis). The pack is a 10-mil vial. Bronchilator is a P.1, S.7 poison.

**Hospital Equipment for Overseas.**—To meet the growing demand in many overseas countries for comprehensive turnkey bids for the equipment of new hospitals, a number of British companies have jointly formed a new company—Associated British Hospital Equipment, Ltd.—with registered address at 6 Vere Street, London, W.1, to handle that type of inquiry from abroad. The first four U.K. companies to become members of the organisation are Allen & Hanburys (Surgical Engineering), Ltd. (a subsidiary of Glaxo Group, Ltd.), Associated British Laundry Engineers, Ltd., the British Oxygen Co., Ltd., and Watson & Sons (Electro-Medical), Ltd. (a subsidiary of the General Electric Co., Ltd.). Negotiations are now in an advanced state for the participation of other major companies prominent in the medical and scientific field. Already there are several such consortia operating in the U.S. and on the Continent, able to quote for such turnkey contracts, the demand for which is increasing particularly in the Middle East, Africa, Asia and South America.

**Pharmacy Management Institute.**—On another page appears the prospectus of the Institute of Pharmacy Management, Ltd., 27 Park View, Hatch End, Middlesex. The Institute's aims are set out as being to promote research and the up-to-date teaching of pharmacy administration and to provide practical information on management problems. The aim is to attract especially pharmacists who cannot attend full-time post-graduate instruction. Pharmacists are admitted to associateship. They may be transferred to membership after presenting a thesis or participating in a management study. From 1966 membership will become dependent on the applicant's having passed the Institute's examination or possessing a degree or diploma recognised by the Council for purposes of admission. Associates and members are entitled to take part in the activities of the Institute, to obtain a copy of *Pharmacy Management* regularly, and to receive other publications and management aids which the Institute may publish from time to time.

**Warble-fly Control.**—Following similar successful schemes in the Irish Republic in 1963, three pilot schemes for the eradication of warble-fly by the use of systemic insecticides are being carried out in Great Britain this autumn. Under the schemes cattle are dressed free of charge using material supplied by manufacturers and purchased jointly from funds supplied by the leather industry. One of the products used, and which is generally available to farmers through veterinary chemists and merchants, is Ruelene 25E, an organophosphorus compound manufactured by Dow Chemical Co. (U.K.), Ltd., 48 Charles Street, London, W.1. In use, Ruelene 25E is mixed with cold water and poured along the animal's back, which absorbs it. Treatment carried out between mid-September and the end of November kills the fly larvae before they have damaged the hide, but satisfactory results may also be achieved by applications during March or April. The product must not be used during December, January or February, at which time large numbers of larvae are encysted around the gullet. Field trials have shown that Ruelene can consistently provide a "kill" of over 95 per cent. and often 100 per cent. Cost of treating a 4 cwt. animal is about 2s. and the maximum cost for any size of animal is 3s. 8d.

## Bonus Offers

MENTHOLATUM CO., LTD., Slough, Bucks. *Mentholatum deep heat*, thirteen 3s. 9d. size invoiced as twelve; seven 5s. 9d. or 7s. 9d. size invoiced as six. *Mentholatum balm*, thirteen invoiced as twelve.

## INFORMATION WANTED

The Editor would appreciate information about:

OponeX  
Massageine liniment

# Correspondence

Letters when received must bear the name and address of the sender, not necessarily for publication. The Editor does not hold himself responsible for the views expressed.

## Unjust to the "Small" Man?

SIR.—After waiting all this time for settlement of pay claim I must confess that the terms of settlement for the poor devil doing under 500 prescriptions per month are a disgrace. A pay increase of 10s. per week is surely not adequate to cover his increased expenses, especially as a colleague doing just over double the amount will receive £5 per week. This seems an injustice to me.

ALAN R. STEWART,  
Burton-upon-Trent

## Faster Profit Than from Cigarettes

SIR.—A tobacconist friend has handed me a leaflet he received through the post from a tobacconist wholesaler. It is headed "The Faster Way to Profit. In four years Anadin sales climb 86 per cent. at 25 per cent. profit per pack for you! . . . For every 100 packs sold in 1959—186 packs were sold in 1963. . . . Sound selling sense to put Anadin tablets on your next order."

LOCKS, CHEMISTS,  
Fordingbridge

## Soon to be Nil

SIR.—One important item in your report on what I said at the Chester N.P.U. area meeting is inaccurate. Wolverhampton Associated Chemists, Ltd., allow a discount of 5 per cent. to their members, not 10 per cent. as reported, and I understand that, in view of the present extensive price cutting in the area, the company will discontinue the discount in the near future.

A. FROST,  
Wolverhampton

## What Policy?

SIR.—About a month ago the representative of Fields of Bond Street informed me categorically that under no circumstances would the company's range of Lady Manhattan products be sold through hairdressers. Since then my local men's barber has received and is displaying a full range of their Christmas products. I would be grateful for a statement by the makers on their marketing policy, both for my own sake and for that of other interested chemists.

J. BADYAN,  
Edgware, Middlesex

## Price Policy

SIR.—The unpleasant interpretation that your contributor Xrayser put upon Messrs. Boots' statement of policy regarding resale price maintenance in "Topical Reflections" (C. & D., September 26, p. 317), is really saddening. Messrs. Boots were forced into reducing the price of lines that other people had cut, and were certainly not the first to start the fashion. For anybody to suggest that any large company can watch its sales seriously reduced by price-cutting by others, without retaliation, is just unrealistic. I think it has been made clear that Messrs. Boots' policy is, and has been for a long time,

to support resale price maintenance as far as possible. The sourness of the comment at the foot of p. 317 is much to be deplored.

R. P. DAVIES,  
Yelverton, Devon

## Suicide and Treachery

SIR.—It is interesting to see the new scale for dispensing fees. How can this become universal when pharmacists apparently do not want better payment? This week I have been asked for Codis in sheets of ten, Purgoids from the big bottle, and Panadol tablets loose. It is obvious that some pharmacists are determined to commit suicide! Apart from the legal situation, these are all "chemists only" lines. It is no use shouting about P.A.T.A. or multiple price cutting so long as we have traitors (yes, this is strong language but I repeat, traitors) in our midst. I consider such sales to be much more unprofessional than cutting the price of razor blades.

F. SMITHSON,  
Preston, Lancs

## Reconstitution Rejected

SIR.—At a meeting of the Sheffield Branch of the Pharmaceutical Society held on September 23, the proposals for the new constitution of the Council were rejected. It was felt that the increased number on the Council would achieve no purpose but make it more cumbersome and more costly. It was agreed that the inclusion of three new members nominated by the teaching profession was out of all proportion, and that the employee pharmacist in general practice should also have been considered. It was finally unanimously agreed "That this Branch considers that the Council should be made up of members elected partly on a regional and partly on a national basis." The Council's arguments against regional representation were totally rejected.

W. F. PATTERSON,  
Sheffield, 11

## Any Number Can Play

SIR.—It has been noted recently that Messrs. Woolworth have offered the 2s. 3d. size of Gibbs tooth-paste for 1s. 3d. Accordingly a small group of chemists decided to find out what quantity we would have to buy in order to sell the tooth-paste at the same price. I wrote Messrs. Gibbs, and they replied to the effect that they would arrange for their area sales manager to call on me to discuss the matter. I received a visit from a man who I understood is the area sales manager of Messrs. Gibbs. I inquired what quantity of Gibbs tooth-paste we would have to buy in order to sell the 2s. 3d. size at 1s. 3d. as was being done by Messrs. Woolworth. He told me that we could sell at that price on the terms at which we were at present purchasing. I pointed out that we would be selling at a loss, and with what seemed to me to be a smug, complacent grin he agreed and suggested that was what Messrs. Woolworth were doing. Are

chemists going to support firms which act in this manner? T. P. MARTIN,  
Cardiff

## Twenty New Drugs a Month

SIR.—I recently had occasion to take part in a discussion on the onerous task of modern analysts in analysing the large number of new drugs and proprietary alternatives and combinations of known and/or new drugs. Whilst some present recognised that there were nowadays a larger number of proprietary products requiring analytical control, my statement that the actual number of such new products was about twenty per month was received with polite incredulity. It so happens that we here have a private collection of index cards of such proprietaries over the past five years that is possibly only less comprehensive than that in the Pharmaceutical Society's library. The records show that between 200 and 300 "new" drugs, all requiring analytical attention, were marketed each year from 1958 to 1963. The proprietary drugs and preparations referred to are as defined in the first sentence above. The sociological significance and consequences of this spate of "new" drugs and medicines are a matter of most serious concern.

M. A. PHILLIPS,  
Romford, Essex

## Technicians or Auxiliaries?

SIR.—After my return from abroad I read with some surprise the reactions by medical auxiliaries (C. & D., September 26, p. 324, October 3, p. 347, etc.) to my statement concerning the real value of dispensing assistants, who are auxiliaries to pharmacists in the same way as medical auxiliaries are to members of the medical profession, though they achieved quite recently a "State Register of Chiropodists" as a profession ancillary to the medical profession. As to admission to that register, a "Chiropodist and Physiotherapist" gave facts (C. & D., October 3, p. 347) which spare me the necessity of clarifying the position. I would the more wish to avoid doing that because I resent anonymous disputes. They might be undertaken under the cover of "Professionally Qualified" or "Prudentias." What I tried to do, in my endeavour to reduce exaggerations concerning our "dispensing assistants" to their true level, was to show that medical auxiliaries are at least as "indispensable" for the efficient functioning of the hospital as—if not more so than—the pharmaceutical auxiliaries we know as "dispensing assistants." As to their remuneration, I likened them to the clerical and not to the technical grades, who apparently wish to appear predominantly "professional" without college or university training. Recently a hospital engineer resented being called a "technician," and I had, in the *Pharmaceutical Journal* of September 5 (p. 212), to quote the clarification by the Engineers' Guild describing such per-

sons as "engineering artisans." If I referred to the slogan that "experience is all that matters and that certificates cannot be considered as substitute," I clearly pointed to an argument sometimes used in favour of our dispensing assistants, who never are "qualified dispensers," but are often valuable *certified auxiliaries* to us pharmacists. Whoever of the anonymous "professionally qualifieds" felt aggravated by my statement concerning dispensing assistants misunderstood entirely my intentions, but should bear in mind that pharmacy has been, both in this country for over 120 years and abroad for much longer, a profession in its own right and not "ancillary" to any other profession.

C. J. RAWSKI-CONROY, M.Pharm.,  
St. Albans, Herts

### Retirement Presentation

SIR,—May we ask the courtesy of your columns to bring to the notice of past students of Sunderland School of Pharmacy and members of our Branch that Mr. W. Nixon (a past-chairman of the Branch and its honorary auditor) is retiring from his post of deputy head of the Sunderland School of Pharmacy at the end of the present term. Mr. Nixon's dry humour and excellent teaching are known to many generations of pharmacy students and to mark the occasion of his retirement a presentation is being made to him at a dinner which we have arranged to be held at the Seaburn Hotel, Sunderland, at 7.30 p.m. on November 25. Tickets are 25s. each. Dress is informal. We appeal to all Mr. Nixon's friends

to send their subscriptions and requests for tickets to Mr. J. A. Vickers (honorary treasurer, Sunderland and District Branch of the Pharmaceutical Society), School of Pharmacy, Technical College, Sunderland, co. Durham, as soon as possible.

J. BUNDRED, Branch Secretary,  
F. H. OLIVER, Head of School  
of Pharmacy,  
Sunderland

### What the Chemist Knows—or Would Like to Know

SIR,—A third-of-a-page advertisement in the *Daily Mail* of October 14 and in the *Sunday Express* of October 18 (there are others, though I have not seen *The Times* and the *Daily Worker* lately) showed a hand holding the "new 100-tablet size for the home" and the legend "This is why your chemist sells today's Aspro by the hundred:

- (1) He knows that Aspro has three vital actions to get you better faster. That's why more people relieve their aches and pains with Aspro than with any other brand of pain killer.
- (2) He knows that the right place for Aspro is in the home. Ready when you need it.
- (3) He knows that the season for colds and 'flu' is approaching.

Be ready for winter—buy Aspro today."

Now, it really is difficult to fault any single statement taken by itself. Each phrase (nay—each word!) has been chosen with care. But the general implication or total message—i.e. that "your chemist" appreciates the superiority of Aspro and recommends that people stock-up with the 100-tablet

pack (chemists only—hooray!) in case it is needed some time in the future—does not correspond with objective reality. "Your chemist" knows that Aspro is a brand of aspirin at up to six times the price of the official non-proprietary tablet. He knows that aspirin is antipyretic and analgesic in action (what the third action is, unless it be anti-inflammatory or anti-one-degree-under, and why the actions are "vital," he does not know). He knows that aspirin has been shown to be a gastric irritant liable to give rise to indigestion and hemorrhage or, if taken repeatedly, chronic gastritis.\* He knows that the Pharmaceutical Society is opposed to the stockpiling of drugs in the home. He knows that the best preparation for winter, "the season for colds and 'flu,'" is to be in good health today. He would like to know if an advertisement that exploits the word "chemist" has been shown to the Pharmaceutical Society for approval and, if not, what the Society is doing about it. "Your chemist" has sent comments to the *Daily Mail*, *Sunday Express*, National Pharmaceutical Union, Advertising Association and Pharmaceutical Society, so that they may know.

R. HUTCHINSON,  
London, S.E.7

\*B.P.C. 1949, p. 9.

### POSER SOLUTION

CORRECT interpretation of last week's prescription poser was:—"Anthisan, 0.5 gm. as directed. Mitte 60."

## Research Centre for a Manufacturer

### OFFICIAL OPENING AT GLASGOW



**DECLARED OPEN :**  
Mr. G. Kraijenhoff (president of Organon International) officially opens the company's new research unit. With him in the picture are Mr. J. Timmons (M.P. for Bothwell until the recent General Election), Dr. C. L. Hewett (research director, Organon Laboratories, Ltd.) and Brigadier R. D. Muir (general manager, Industrial Estates Management Corporation for Scotland). At right: Visitors examine a rotary evaporation apparatus.

A NEW research centre for Organon Laboratories, Ltd., was opened at Newhouse, near Glasgow, on September 17, by Mr. G. Kraijenhoff (president of Organon International). The new £100,000 unit is being devoted to chemical and pharmacological research into steroids, hormones and related fields. The project was planned with the co-operation and assistance of the Board of Trade and the Industrial Estates Management Corporation for Scotland, and will employ over fifty research personnel. Head of the new unit is Dr. C. L. Hewett, who has been

research director of Organon Laboratories, Ltd., for many years. Dr. Hewett presented Mr. Kraijenhoff with a special souvenir key at the opening ceremony. Among those present were Mr. D. H. O. Gemmell (chairman, Glasgow and West of Scotland Branch of the Pharmaceutical Society) and several members of Parliament. Speaking at luncheon later, Mr. Kraijenhoff said "Research is a fundamental aspect of Organon's activities. The present expansion of that activity at Newhouse will ensure that our Scottish unit can contribute in even

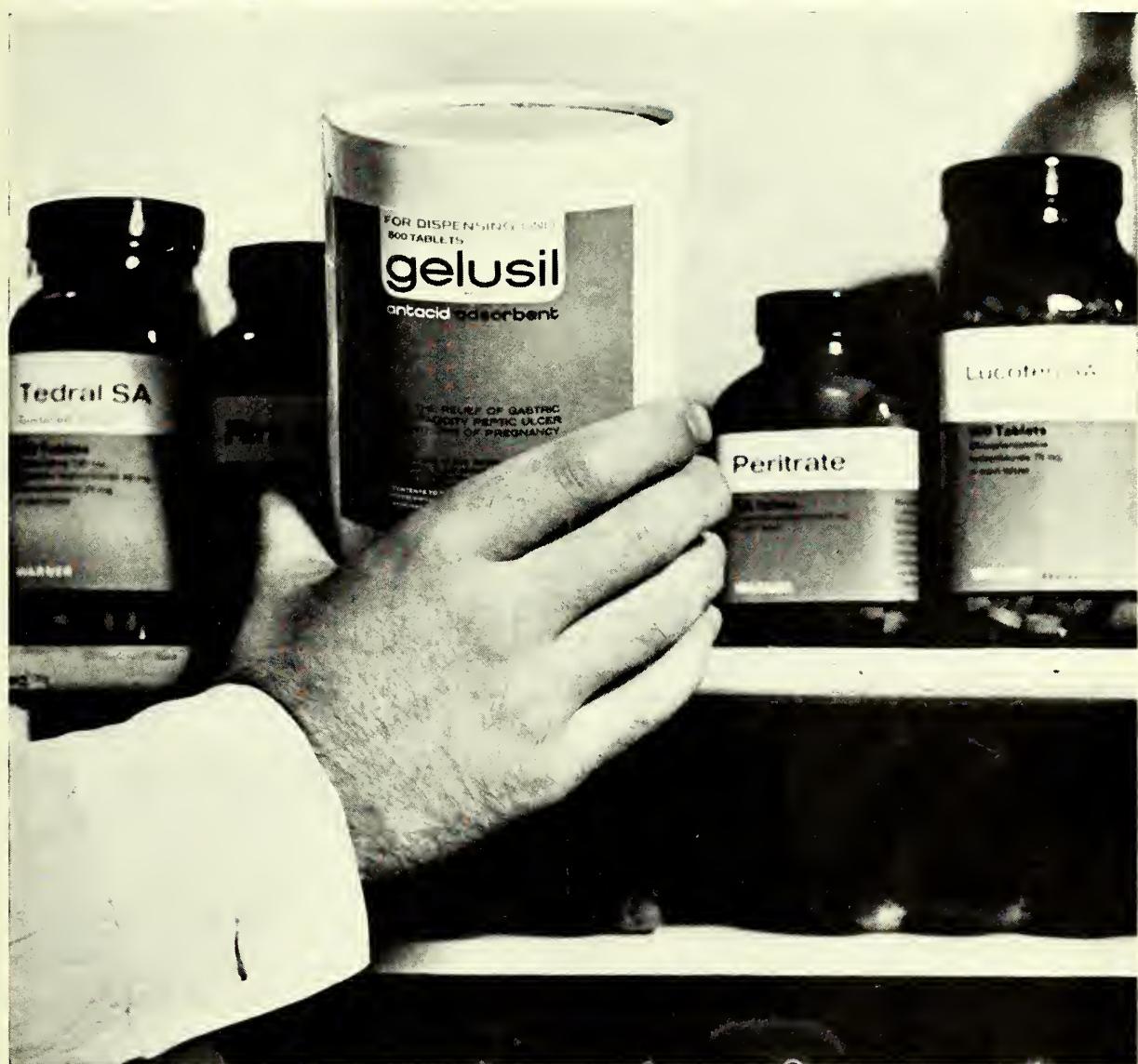
greater measure than before to the development of new and improved drugs."

### Expansions

In a reference to Scotland's expanding economy, Mr. Kraijenhoff said: "Organon, too, is expanding, not only in pharmaceuticals but in a number of other directions, one example of which is visible in a building now under construction at Newhouse for the production of cosmetics. By 1966 the company expect to be employing about 400 people in the Newhouse premises."

# RECOMMEND Gelusil

the antacid tablet  
that protects the ulcer  
stops the pain  
promotes healing



Convenient and easy to take, Gelusil tablets adsorb more stomach acid than any other antacid tablet. Each Gelusil tablet contains 0.25G. aluminium hydroxide and 0.5G. magnesium trisilicate.

**Packs:** 20 (retail price 2/4d.), 50 (retail price 4/7d.) and dispensing packs of 250 and 500

**Other Gelusil presentations:** Gelusil Lac: antacids with milk solids in convenient sachet form.

Gelusil suspension: for those who prefer a liquid.

# Swingin' sales from new Sunsilk Hairspray

Starting this Autumn your sales of Sunsilk Hairspray—the only one with Dicryl—will swing higher, higher, higher! Because new Sunsilk Hairspray has new advertising too.

On Radio Luxembourg a tremendous new commercial—with the *grooviest* jingle—will be heard on Top Twenty, Monday Night Special and The Pete Murray Show giving, in the 16-24 age group,

**17,000,000 impacts**

We're giving a Party-time offer of 2/6 off the long-lasting size aerosol. (Ask our representative all about it).

And this, too, gets its own mention in 7-second spots in an intensive campaign on Radio Luxembourg.

The jingle will also be heard on Radio Caroline.

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This fab full-page full-colour advertisement will be seen in Honey, Vanity Fair, Photoplay, True Story, True Romance, Woman's Story and Woman's Own Hair Booklet. And that means,

**10,469,000 impacts**

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**CASH IN ON THE SUNSILK NAME—SUNSILK HAIRSPRAY  
IS SUNSILK SHAMPOO'S FAST-GROWING KID SISTER!  
STOCK SUNSILK HAIRSPRAY NOW**



# Sunsilk Hairspray lets your hair swing!

NEW DICRYN MEANS NEW HOLD, NEW SOFTNESS

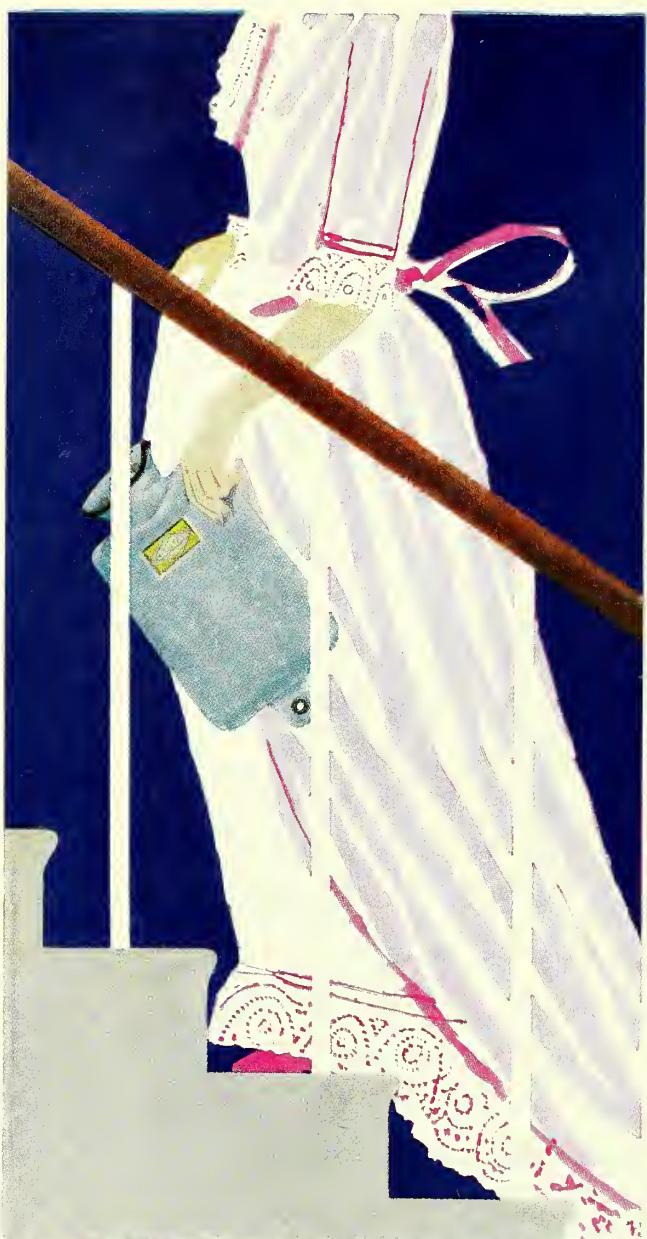
Sunsilk Hairspray

Sunsilk Hairspray keeps your style the way it was set and holds it that way—but softly. Because Sunsilk Hairspray contains a miraculous new ingredient—Dicryl. Dicryl gives your hair a firm yet tender hold. Dicryl keeps each hair of your head in place but never gums them all together. With Sunsilk Hairspray your hair is never flyaway. With a beautiful shine of its own, it just goes swing, swing, swing!

Look for Sunsilk Hairspray  
in the long-lasting aerosol.

HAIR  
SPRAY

hair firmly, tenderly



**always ask  
for a hot water bottle  
by its first name  
—Dunlop**

Nearly 20 million readers of WOMAN'S OWN, WOMAN AND HOME, HOUSEWIFE, EVERYWOMAN and GOOD HOUSEKEEPING will see and remember this attractive illustration and compelling headline many times in the coming months.

And among these readers are plenty of potential customers for you. They will be asking to see the Dunlop range in *your* shop. So be prepared. Stock up with the top dozen by Dunlop—the five shown below and these other sure sellers—

SIZES 2 and 3, moulded bottles at 6/6 and 7/- respectively; COSILINE at 8/9; QUILTIE, with brushed fabric coat, 12/-; RENOWN, with a handle, in lavender shade, 9/3; ESKIMO/BEAR, a kiddies' bottle at 9/9; and the DEEP SLEEP, with similar features to the Cosimax, at 27/6.

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NOW!**

**DUNLOP**  
*has a name for Quality*

All prices quoted are recommended retail prices



#### **COSIMAX**

Takes boiling water safely. Seamless latex with velvety cover. Fawn, Pastel Blue, Pastel Pink—in individual carton.  
Retails at 32/6.

#### **MAXFORT**

The bottle with a handle. Fluted pattern on one side, plain on the other. Pastel shades—Blue, Pink, Green.  
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#### **FLAG**

Most popular Dunlop bottle. Smooth rounded shoulders. Pastel Blue or Red.  
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#### **GEORGIAN**

Brushed fabric cover with attractive oak leaf design in Blue, Red or Lavender shades.  
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Finished in brushed fabric with gay Red Indian Village design on Blue, Pink or Yellow background.  
Retails at 9/9.



# The CHEMIST AND DRUGGIST

For Retailer, Wholesaler and Manufacturer

ESTABLISHED 1859

Published weekly at

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## Amalgamations in the Air

WHEN the Association of British Chemical Manufacturers met for its annual dinner on the eve of the General Election none of its members, of course, knew what the outcome would be, even if individual members had been so rash as to place wagers on the result. Members were fortunate therefore in hearing two addresses on parallel aspects of a development that is of paramount present importance whatever Government is in power and related to the overall economic planning that figured prominently in the election programmes of all the Parties.

"We find," as Sir Peter Runge said (p. 418), "that all the principal elements in the economy are interlocked and cannot be intelligently discussed separately—employment, pay, prices, profits, investment, spending, exports, balance of payments, the lot." No doubt the interconnection has always existed, but only in comparatively recent times has it come to be realised that to develop industrial policy for one of those factors apart from the others is no longer practicable. That is equally true within a single industry and for industry as a whole in relation to national policy.

What has focused attention upon the problem and prompted a getting together of associations within an industry, and of federal bodies representing groups of industries, has been the creation of the National Economic Development Council. Though that was set up by a Conservative Government it seems certain to be embraced, no doubt with modifications, by its Labour successor, and that may even increase the pressure to solve quickly the problems of bringing into one new body the present Federation of British Industries, National Association of British Manufacturers, and British Employers' Confederation.

Within the chemical industry, which has undergone such expansion since the 1939-45 war that in manufacture it ranks second only to mechanical engineering in value and importance to the country's economy, the negotiations to amalgamate the Association of British Chemical Manufacturers and the Association of Chemical and Allied Employers are at an advanced stage, and an announcement of a successful merger is expected with some confidence to be made within a few months. Although the pharmaceutical and fine chemical industry is, in relation to the whole industry, not the dominant section, there can be little doubt that its future success and expansion will benefit substantially from the merger. That will not lessen the need for applying within itself the logic of the indivisibility of economic problems, any

more than the amalgamation of the federal bodies of industry removes the importance of the A.B.C.M./A.C. & A.E. consolidation. Even if the National Economic Development Council had not been created, calling for each industry to speak to it with a single voice, the increasing intensity of overseas competition would make desirable, if it did not actually dictate, an increased co-operation to maintain and expand exports of the valuable and specialised products of pharmaceutical manufacture.

## Employment Contracts

THE new Contracts of Employment Act, 1963, is continuing to give rise to problems, as was only to be expected. Quite frequently employees receive in addition to their basic salary, commission, as for instance, on sales or orders. Clearly the particulars of the terms of employment must state the amount of the wages or salary, but must they also state, where appropriate, that the employee is entitled to commission, and the rate of commission? Take for instance, an employee who is paid a salary of £50 per month and who is also entitled to a commission of 5 per cent. on the amount of orders booked by him. In our view, the particulars in that case must state that his remuneration is £50 per month, "plus 5 per cent. on the amount of the commission on orders booked" by him.

The material provisions of the Act, are set out in paragraph (a) of section 4 (1) of the Act. Under that paragraph, the particulars must state "the scale or rate of remuneration, or the method of calculating remuneration." Commission is quite clearly "remuneration," just as much as wages or salary, and the fact that the amount cannot be ascertained in advance is immaterial. It may, therefore, be said that the commission is payable at a certain "scale" or "rate," or again that "the method of calculating" the commission is provided for, as part of the bargain between the employer and employee, as to how the employee is to be remunerated for his services.

There is one other point which may cause doubt. Employers sometimes make gratuitous gifts to their employees, without being under any legal obligation to do so. Such payments are *ex gratia* and by reason of their nature and complete uncertainty cannot possibly be specified. One cannot anticipate when the employee is engaged, what benefits his employer might perhaps bestow on him in the future, entirely voluntarily. Such would be the position even where the practice of the employer in the past had been to give his employees, say, a Christmas gift regularly each year. The particulars could not be required to state in addition to the wage or salary, that the remuneration would be "plus a Christmas gift."

## A PHARMACIST'S ANTHOLOGY

### HINTS OF STRANGE POWERS

*From George Eliot's "Silas Marner"*

FOR how was it possible to believe that those large brown protuberant eyes in Silas Marner's pale face really saw nothing very distinctly that was not close to them, and not rather that their dreadful stare could dart cramp, or rickets, or a wry mouth at any boy who happened to be in the rear? They had, perhaps, heard their fathers and mothers hint that Silas Marner could cure folks' rheumatism if he had a mind, and add, still more darkly, that if you could only speak the devil fair enough, he might save you the cost of the doctor.

## FIGURES IN THE PHARMACEUTICAL WORLD

THE chairman since June of the Ethical Committee of the Pharmaceutical Society is as young a pharmacist, both in years and in Council membership, as is ever likely to hold that office. His predecessor Mr. W. J. Tristram was one of the most senior members of Council and the Committee's concern is clearly a field that seems to demand mature age and wide experience. Yet nobody is likely to complain about the selection of Mr. W. M. Darling as the Committee's chairman, even though he has not yet completed his first three-year term of Council membership. Most pharmacists who know him — a rapidly growing number—will applaud the choice as one of the most imaginative and constructive his Council colleagues could have made.

For in the few years since he entered the public life of pharmacy Mr. Darling has shown an acute appreciation of the close relationship that exists between high professional standards, public acceptance of pharmacists, and an improving status—economically as well as professionally—for those who practise the profession in any of its branches. He came into national prominence as one of the spokesmen for that upsurge of criticism of the Council of the early Sixties that arose with apparent spontaneity in several parts of the country, but with special intensity in the North-east. Its culmination — turning-point of pharmaceutical history — was the Special General Meeting at Birmingham in April 1962.

What quickly communicated itself from Mr. Darling to his wider national audiences has been an impression of the power and vitality behind a man whose clear purpose is to bring about a better state of affairs in pharmacy. In his own North-eastern area his colleagues had already shown an early perception of his merit—in which they may perhaps have decided an element of heredity—by co-opting him to the South Shields Pharmaceutical Committee only a year after he qualified. Of that Committee his father was a member and a past-chairman at the time of his death in 1956.

The expectations the local chemists had of the son were amply fulfilled, and a year later they appointed him to the Committee of the South Shields Pharmacists' Association and in 1958 chose him as honorary secretary of the Pharmaceutical Committee. In 1960 he was nominated a pharmaceutical member of the Executive Council.

At an even earlier stage—as a student at the School of Pharmacy, Sunderland Technical College—he had shown promise of a successful public career. In the session 1953-54 he was made chairman of the Sunderland Branch of the British Pharmaceutical Students' Association, was elected to the national executive committee of the Association, and acted as liaison officer between the Association and the International Pharmaceutical Students' Federation, and for his services in those capacities he was accorded life membership of the Sunderland students' union. He left the College in the summer of 1954 to serve



Mr. W. M. DARLING

an apprenticeship to his father, qualifying in 1955. Returning to the family business, he was destined to serve only a few months in a junior capacity, for on the death of his father he was appointed managing director of the company. The business had been founded as a partnership between his great-uncle J. M. Darling and Mr. J. Walker. The partnership was later dissolved, J. M. Darling taking over two of its four pharmacies as proprietor and bringing the number up to three before he retired in 1931, leaving his nephew W. Darling (father of W. M.) in possession. The new managing director was quick to make his influence felt. The company's three pharmacies became four in 1963 by the acquisition of an existing local business, and all four have been

modernised both as to premises and staff, the employees having been put on a five-day-week basis and given a financial stake in the profitability of the company. The four pharmacies present today a clean, modern, professional appearance, and though merchandising methods have been organised to increase turnover the emphasis is still on personal service (no self-selection methods have been installed except for baby foods).

In April 1961 Mr. Darling became vice-chairman of the Sunderland Branch of the Pharmaceutical Society, and eight months later was adopted as prospective candidate in the next Council elections. He was elected to the chair of the Branch in April 1962 (the month in which was held the Special

General Meeting already referred to. Not surprisingly, the widespread support the Branch had received in putting forward its demand for the meeting was reflected in the Council election the following month, when Mr. Darling emerged successful.

However strongly he argues his views Mr. Darling manages to do so with a

certain magnetism and personal charm, so that he wins friends even among those whom he may not convert. During his chairmanship of the Ethical Committee one of the most urgent and important of his responsibilities will be to pilot through the stages of formulation, discussion and acceptance (or otherwise) the revised Statement Upon

Matters of Professional Conduct on which it is known work has been in progress for some time. All his concentrated experience, short though it may be in actual years, seems to have extended and developed his native abilities to render him the right man in the right job at the right time for that function.

## Pharmaceutical Society of Northern Ireland MONTHLY MEETING OF COUNCIL

**M**R. N. C. Cooper, M.Sc., was re-elected President at the meeting of the Council of the Pharmaceutical Society of Northern Ireland held in Belfast on October 15. Proposing his re-election, MR. WALTER C. TATE said that Mr. Cooper had displayed outstanding ability in every field of the Council's activity. Throughout the year he had given every member a fair hearing without allowing discussions to digress from the point at issue.

MR. H. G. CAMPBELL, seconding, told members that he had heard good reports of the president's performance on the occasion of the Association of the British Pharmaceutical Industry conference dinner at Portrush earlier in the month. Mr. A. T. Hardy was re-elected Vice-president and Mr. R. M. Watson Treasurer. The following committees were appointed:—

**EDUCATION:** Dr. R. G. R. Bacon, Professor O. L. Wade, M.D., and Messrs. W. H. Boyd, R. J. Davidson, B.Sc. (chairman), H. W. Gamble, O.B.E., J. Kerr, G. E. McIlhagger and D. Moore.

**ETHICAL:** Messrs. W. H. Boyd, W. P. Ewart, J.P., B. Flatley, W. T. Hunter (chairman), G. E. McIlhagger, H. F. Moore, J. Paul and A. Templeton, J.P.

**FINANCE:** Messrs. H. G. Campbell, W. Donaldson (chairman), B. Flatley, J. Gordon, Walter C. Tate, A. Templeton, J.P., R. M. Watson and J. D. Pollock.

**HOUSE:** Dr. R. G. R. Bacon and Messrs. H. W. Gamble, O.B.E., J. Gordon, J. Kerr (chairman), G. E. McIlhagger, D. Moore and R. M. Watson.

**LAW:** Messrs. H. G. Campbell, R. J. Davidson, B.Sc., B. Flatley (chairman), W. T. Hunter, D. Moore, J. Paul, Walter C. Tate and J. D. Pollock.

A letter from the Ministry of Home Affairs stated that the Minister had nominated Mr. J. D. Pollock, 3 Fifth Avenue, Baylands, Bangor, co. Down (managing director of Thomas McMullan & Co., Ltd., Belfast) to be the representative on the Council for the next three-year period in succession to Mr. F. R. Moore, J.P. The letter also stated that the Minister had fixed the number of druggist representatives on the Council at one. It was agreed to send to Mr. Moore the Council's appreciation for all his work when a member, and to wish him a long and happy retirement.

Dr. J. A. M. Shaw wrote informing the Council of the research programme for Miss G. A. Rose, who had applied for the C. W. Young Scholarship. Her topic for investigation would be the biological and immunological properties of the endotoxins of *proteus OX 19*. THE SECRETARY stated that, when he had received Dr. Shaw's letter, he had made the first quarterly payment to Miss Rose. The Council agreed to grant the Theophilus Harper Foundation to Miss M. E. Maguire, B.Sc., M.P.S., for a second year. Miss Maguire is engaged in research at the Chelsea College of Science and Technology.

A letter from the Ulster Chemists' Association informed the Council that Mrs. C. B. A. Watson and Mr. J. C. Wellwood had been nominated the Association's representatives on the Future of Pharmacy Committee. After discussion on a further letter from the Association on the subject of the sale of oral contraceptives, it was agreed to ask representatives of the Northern Ireland Branch of the British Medical Association and a number of medical

practitioners conducting family planning clinics to meet representatives of the Council.

Reports on the meeting in Edinburgh of the British Pharmaceutical Conference were received from members who attended. The secretary was asked to convey congratulations to the Edinburgh Local Committee on the excellent arrangements that had been made for the meeting. MR. H. G. CAMPBELL reported on the meeting in Amsterdam of the International Pharmaceutical Federation. The Society's auditors and solicitors were reappointed.

Members present were Messrs. N. C. Cooper (president), A. T. Hardy, W. H. Boyd, H. G. Campbell, R. J. Davidson, B. Flatley, J. Gordon, J. Kerr, G. E. McIlhagger, D. Moore, J. Paul, Walter C. Tate, A. Templeton and Dr. H. J. Cronholm. Apologies for absence were received from Professor O. L. Wade, Dr. R. G. R. Bacon, and Messrs. W. Donaldson, W. P. Ewart, H. W. Gamble, H. F. Moore and R. M. Watson.

## Drug Share Movements

AUGUST TO OCTOBER

SINCE the previous review, stock markets have been firmly in the grip of politics, and the General Election in particular. With that event now over, the City hopes that a gradual return to full consideration of more normal economic influences will take place.

Overall prices have shown losses. However, selective buying interest enabled a number of shares in the pharmaceutical and allied manufacturers section to move upwards. Fryer & Co. (Nelson) met with a good demand and the price moved ahead to 35s.—a rise of around 6s.; Cussons Group were supported, and with dealers short of shares the price improved 2s. to 28s., after they had changed hands up to 28s. 6d. at one period. The announcement that Aspro-Nicholas had agreed to purchase, for cash (£250,000), all the share capital of Damancy & Co. lifted the price of the parent company's shares 1s. 6d. to 17s. 3d. Stevenson & Howell continued the firmer trend noted in the last review and added a further sixpence. After Hodders announced that turnover for the first-half of the present trading year showed a satisfactory increase compared with the same period a year ago, the price of the shares strengthened by threepence at 3s. 9d.

Barclay & Sons moved up sixpence to 4s. 3d. and Macarthys Pharmaceuticals "old" by one shilling to 17s. 9d. with the "new" shares a similar amount higher at 17s. 9d. Jaynox ended the period unchanged at 1s.

Arnold M. Gee shares hardened three-halfpence to 2s. 6d. on unchanged dividend.

The results of Glaxo Group are unfailingly awaited with great interest by the market. After being a shade easier ahead of the financial statement (C. & D., October 10, p. 396), the price jumped to 38s. 6d.—a net rise of 2s. 6d. Of the shares to move in a downward direction Beecham Group receded 1s. 7½d. to 20s. 3d. while Sanitas Trust at 17s. 9d. and Vitamins at 9s. were 2s. 6d. and 1s. 6d. lower respectively. News of a mortgage debenture stock issue lowered Gala Cosmetic to 28s. 3d. but they closed 1s. 9d. lower on balance at 29s. Yardley "A" were about one shilling lower at 19s., but Eucryl held ground at 10s. 9d., with business in them up to that price.

# Pharmaceutical Society of Ireland

## ANNUAL MEETING IN DUBLIN

WELL deserved tributes were paid to the outgoing president (Mr. D. J. Kennelly) at the annual meeting of the Pharmaceutical Society of Ireland, held in the new lecture theatre of the College of Pharmacy on October 12.

Usually quick to take advantage of the occasion to air their grievances, members found themselves disarmed by reason of the progress made by the Council during the year. Having heard the president's review of the year, their reaction was summed up by MR. R. C. O'HIGGINS, who prefaced his contribution by saying "I am at a slight disadvantage because I have nothing to criticise."

In his address, MR. KENNELLY announced that there had been no contest this year for election to the Council. Six of the outgoing panel (Messrs. H. P. Corrigan, C. J. Cremen; J. Gleeson, V. G. McElwee, W. E. Boles and T. B. O'Sullivan) had been returned unopposed. The seventh (Mr. P. A. Brady), at present in the United States, had not allowed his name to go forward and Mr. Joseph Bernard Murphy, Ballyphane, Cork, had been nominated to replace him. Mr. Brady had resigned with regret, said the president, on the grounds that his public duties interfered with his attendance at Shrewsbury Road. "Mr. Brady had rendered distinguished service to pharmacy, coming on to the Council in 1927 and holding at various times every office, including the presidency in 1947-49."

Reporting that twenty-three pharmacists and three dispensing chemists and druggists had died during the year, Mr. Kennelly said two of them had exerted great influence in their respective spheres: Messrs. F. J. Robinson (a member of Council and of the Irish Drug Association executive) and George Hewson (a past chairman of the West of Ireland Association, former examiner to the Licence examination, and prominent member of the Mayo Association).

### *Awakened Interest in Pharmacy*

Forty-nine names had been added to the Register of pharmaceutical chemists during the year, of whom twenty-seven were Licentiates of the Apothecaries' Hall. (Closing date for admitting such Licentiates was December 31, 1963.) Fifty-one students had enrolled for First Science (Pharmacy) in October, an increase of twelve on the previous year. At forty-five, the number of students registered for the Assistants' course since the previous meeting showed an increase of eleven compared with the previous twelve months. "These increases are not dramatic. Nevertheless they seem to indicate a gradual awakening of interest in pharmacy as a career." However, added Mr. Kennelly, "some potential assistants are discouraged by pharmacists, who advise them not to touch pharmacy at any cost." The past year had seen the emergence of the first Bachelors of Science (Pharmacy). Eleven of the twenty-five who had presented themselves had passed, one of them gaining first-class and another second-class honours. Twenty-two students who had registered before the degree course had passed the Licence examination, and nineteen pharmaceutical assistants had been successful—three more than in the previous year.

Extra accommodation in the new College extension, coupled with modification of rooms in the main building, had helped to provide the training demanded by the degree standard. Representatives of the Society had given oral evidence before the Commission on Higher Education in May, and had been graciously received. Professor Timoney, who had delivered a lecture to post-graduate students at the Free University, Berlin, Germany, had flown back to appear before the Commission.

In a tribute to the Irish Pharmaceutical Association, the president said all members had had evidence of its potentialities. "The Council cannot participate in its activities, but

its individual members support the Association and have high hopes that it will achieve its excellent aims and objects." The president also made mention of Mr. Nicholas Scroope, Nenagh, who had been appointed first president of the new Pharmaceutical Society of Northern Rhodesia during the year.

Of the Society's Practice of Pharmacy Committee he said the information gained as a result of the questionnaire sent to a limited, representative group of pharmacists had been so valuable that a further questionnaire, addressed to pharmacists generally, had been sent out. The Committee hoped to acquire information that would be of immense help in future negotiations.

### *Inspector and Diplomat*

Dealing with the efforts made to enable pharmacists to participate in the warble-fly eradication scheme, Mr. Kennelly said that the Society had appointed a veterinary sub-committee which had twice held joint meetings with a committee appointed by the Veterinary Association. The Council, however, held strong views about the distribution of organophosphorus compounds and members could rest assured that its representatives on *Comhairle Na Nimheanna* (the Poisons Board) were fully aware of the Council's views. The president paid tribute to the chairman and members of the *Comhairle* and thanked especially the four pharmacists who had worked on it with him. The Society's inspector (Mr. Cummins), he said, had "all the attributes of a polished diplomat." A mere few pharmacists had been uncomplimentary about his work and in every case examined by the president, he had found the pharmacist unwilling to co-operate and generally not interested in the good name of the profession.

The Society had been well represented at the International Pharmaceutical Federation's 1964 Congress, and eighteen pharmacists and their wives had attended the British Pharmaceutical Conference. The attendance of Irish pharmacists at such international functions did much to secure recognition of Ireland in world pharmacy. The president thanked the Council, the registrar, and the staff for their help during his two years of office.

MR. O'HIGGINS, congratulating the president and members of the Council on the work that they had put into pharmacy during the year, said the results were to be seen in the new extension; the proposed new poisons regulations, and the fact that there was no Council election. He was somewhat worried that, under the poisons regulations, the pharmacist would no longer be allowed to use his discretion in administering for patients. The regulations as they stood stipulated that a pharmacist could not repeat a prescription more than three times. That was a sound regulation, but the day would come when the pharmacist would be faced with, say, an asthmatic patient "coming in gasping." "What is the pharmacist to do if the patients says to him 'Give me some of the tablets I had before'?" It was hard to refuse a patient in such circumstances, and he sought provision for such extreme cases. Paying tribute to Mr. Kennelly Mr. O'Higgins said he would think of him "as the president who realised that the other fellow had an opinion." His wish was "that Mr. Kennelly be a good back-bencher for a long time to come."

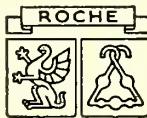
MR. KENNELLY replied that Mr. O'Higgins' fears on the question of pharmacists' discretion were both human and logical, but the Minister had not yet made known his decision on the recommendations submitted by *Comhairle na Nimheanna*. "While I cannot anticipate the Minister, I think pharmacists may rest assured that there will be a change in the regulations."

MR. M. MURPHY urged that the Society should submit its views to the various Government commissions on all

for relief of anxiety and tension

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matters likely to affect the profession. He had in mind the recent Commission on Road Safety, in which the question of drivers being under the influence of drugs and liquor had been considered. That was a subject on which the voice of pharmacy could have been heard. THE PRESIDENT replied that one of the Council's difficulties was that so much time had to be given to ordinary statutory work. It was a matter of the amount of time that a member could afford to devote to outside bodies. A council, he explained, was set up to advise a Minister and differed from a Commission, which received oral evidence and dealt with memoranda from organisations and individuals. Some occasions on which the Council might have given evidence had perhaps been overlooked, but to the Commission on Higher Education the Council had submitted a memorandum though not specifically invited to do so, and its request to give oral evidence had been acceded to.

MR. MALLIN said that the presidential address had covered all aspects of pharmacy except manufacturing. Most manufacturing and "ethical" companies in the Republic maintained a higher standard of purity than had been officially laid down in the British Pharmacopoeia, but the speaker had recently heard of a pharmacist who had left a company because he had no confidence in its products. That was a serious matter, and the action a tribute to the pharmacist. He asked whether any control could be exercised to see that proper standards of purity were observed.

MR. D. W. P. BOYD asked what rôle the Council envisaged for the Post-graduate Education Committee in the future. Replying to both speakers THE PRESIDENT said that all were concerned about standards. In the past he had spoken strongly on the necessity of having a bureau of standards or other control over medicines coming into the Republic or manufactured there. The Council had, during the year, expressed concern at the lack of proper testing facilities. Further than that it could not go. The work of the Post-graduate Education Committee, he said, was recognised throughout the world. The Council's views must await the report of the Commission on Higher Education and the decision of the Minister. Until then the Council felt it might not be opportune to formulate any policy.

MR. BURKE said that the proposed meetings with representatives of the Irish Medical Association were long overdue. The Council would have to regard improved relations with the I.M.A. as a major task for the immediate future. The image of pharmacy among the community would have to be improved. They must dispel the image of the pharmacist as a person who worked within the four walls of a shop. THE PRESIDENT replied that the Council hoped to meet members of the I.M.A. "very soon" and was optimistic about the outcome. "I feel there has been a lot of misunderstanding between doctors and pharmacists, and it is only by discussions that the difficulties will be removed." MR. O'ROURKE referred to carelessly written prescriptions, and said that it was the duty of the doctor to complete the particulars. The pharmacist should not have to question a patient handing in a prescription. The younger doctors were writing better prescriptions, and that was a tribute to the teaching they had received from Professor Timoney. THE PRESIDENT said that those points would be discussed with the I.M.A.

### Select Committee and its Investigations

He informed MR. McCORMACK that the Select Committee set up to inquire into the Health Services had not yet completed its investigations. It had not expected that so much evidence would require to be taken. A time-limit to the Committee's inquiries had twice had to be extended, and it was now possible that an interim report might be issued. Representatives of the Council who had given evidence in December 1962 and been informed that they would be required to return had not yet been recalled. "We are willing to go back and give further evidence if required." When MR. O'HIGGINS said it would be a poor

day for pharmacy if there were any extension of the Health Services without the participation of the pharmacists, THE PRESIDENT said he was convinced that any Government would be pleased to have medicines channelled through community pharmacies, except for the matter of cost. They would have to convince the Government that any extra cost would be justified by the improved service. The Council had had discussions with the I.D.A., which was preparing a scheme under which, if accepted, individual pharmacists would enter into contract with the Minister and could opt in or out of the scheme as suited them. MR. O'HIGGINS suggested that the I.D.A. should be made aware of the importance members of the Society attached to the scheme.—THE PRESIDENT: "I agree that it is the most vital thing in pharmacy. There is not much use in having new buildings and a degree course if we cannot make a living out of pharmacy (hear hear). Most pharmacists are in general practice, and after two years touring the country as president I feel that, while there has been tremendous improvement in certain directions, general pharmacy is dying. The question of the place which Irish pharmacy is to have in the Health Service must be the number one item on the Council's programme in the coming year. Are we going to educate pharmacists to go into retail pharmacy with so little outlet ? "

### Financial Problems

The treasurer (MR. M. L. CASHMAN) reported that, though subscriptions and retention fees had increased, there was a deficit of £5,043 12s. 4d. on the year. Legal administration, less fines, had amounted to £1,956 12s. 2d.—"a very heavy sum." The Society had had to pay for doing its duty to its members and the general public. It was in the mind of the Council to do something to recover that cost. A grant of £11,000 had been received from the Department for the year, and in the coming year there would be a similar grant. Those were by way of interim payments until a final decision was made on how the cost of training and educating pharmacists would be borne. In the coming year the £11,000 would have to be spent on capital items, but it would at least go a long way towards turning the deficit of the College year into a surplus. The attainment of a surplus was important, because the present overdraft was rather high. While there were assets, they could not go on being drained. The feeling in the past had been that the income from members' subscriptions and retention fees should not be used to educate students but should be put towards amenities that members could enjoy.

The Benevolent Fund, he was pleased to record, had received a substantial income in 1963-64 (its Jubilee year) from dance proceeds and subscriptions, including the "magnificent" contribution of £1,300 received from the Benevolent Fund Dance Committee. It was wonderful to be able to record a £1,600 surplus in the Fund's Jubilee year.

Proposing adoption of the report, MR. SHANNON said that, two years previously, the question of students' education had come up at an extraordinary general meeting, and he was glad to see that, as promised, the Council had had discussions with the Department. The grant had now been received and the monies received from members were no longer being devoted to education. The motion was seconded by MR. BURKE. MR. McCORMACK said he could not agree with Mr. Shannon that they were now receiving grants for the education of future pharmacists. There had been a loss of almost £3,000 on education during the year. The £11,000 grant had been capitalised with premises, so that it could not be said to have been devoted to education. There should be a separate balance sheet to show where the fees were going. It appeared that members' subscriptions were still heavily subsidising the education of future pharmacists. MR. CASHMAN said that they now had the new building. The loss on the College courses (£7,412) was more than offset by the £11,000, which would not have

to be spent on capital items in the coming year. He had hoped that members' entire subscriptions would go towards creating amenities and an advisory service for members, but until a final decision was given by the Commission on Higher Education they would have to confine themselves to the grants. In reply to MR. PURCELL, who asked what would happen when the burden of financing education was shifted from the Society to the Government, THE PRESIDENT said the Minister had made it clear that there were "no strings" attached to the £22,000. Under the Pharmacy Act, 1962, the Council would be responsible for education. Like the Medical Council, the Council would, unless the legislation were changed, have control over the standards, syllabus

and conditions under which students would be educated.

MR. LEAHY, who noted that the Society had recovered only 10 per cent. of the outlay in bringing prosecutions, was told by THE PRESIDENT that the Council had decided to make representations to the Minister for Health on the matter.

THE PRESIDENT concluded that, if anything had been achieved in the previous two years, the Council deserved as much credit as did he. "In my opinion next year will be the most important one in pharmacy. Unless something is done in the coming twelve months, I think it will be too late, but I am quite confident the officers will do everything possible to bring about the desired changes."

## Conference Science Sessions

(Concluded from THE CHEMIST AND DRUGGIST, October 17, p. 408)

MISS H. M. PERRY presented the next paper, which was on:—

### Assay of Nux Vomica

H. M. PERRY and M. L. SHEPPARD

A SUGGESTED method for the assay of nux vomica is to extract an ammoniacal suspension of the drug with chloroform in a downward displacement liquid-liquid extractor. Normal sulphuric acid is then used to extract the strychnine and brucine from the chloroform and the strychnine determined spectrophotometrically. No substances interfering with the assay at 262 and 300 m $\mu$  were present in the final solutions, such as are found using the B.P.C. assay. In general the results are in good agreement with those obtained by official methods and the method effects a considerable saving of time.

(From Stafford Allen & Sons, Ltd., Wharf Road, London, N.1)

MR. A. W. PEACOCK, Loughborough, asked whether the authors had examined the final solutions to find out whether interfering substances were present. Was the assay also suitable for brucine? MISS PERRY replied that it could not be stated categorically that no other alkaloids were present. The authors had, however, made a mixture of strychnine and brucine and put it through the extraction process. They had found that the chart obtained on the recording spectrophotometer was practically identical with that obtained from the tincture or from other nux vomica preparations.

DR. G. E. FOSTER, Dartford, asked whether chloroform, B.P., or a purified chloroform had been used in the assays described. Some years ago, he said, he had found an impurity in B.P. chloroform that might have interfered with the assay. Purified chloroform had not been used, replied MISS PERRY, but they were bearing the possibility in mind.

The next paper was presented by MR. M. J. GROVES:—

### Complexes of Trypanocidal Phenanthridinium Compounds

M. J. GROVES and E. C. WILMS-HURST

ONE of the main disadvantages of phenanthridinium trypanocides has been the excessive tissue reactions at the site of injection. Homidium bromide (B. Vet. C.). Prothidium bromide (2-amino-7-(2-

amino-6-methyl - 4-pyrimidylamino)-9-*p*-aminophenylphenanthridium 10,1'-dimethobromide) and certain other phenanthridinium compounds, react with many polysaccharides to produce insoluble products. They have been investigated in an attempt to prepare complexes to delay the release of the active component from an intramuscular or subcutaneous injection site. Prophylactic activity was tested by subcutaneous injection in mice, which were subsequently challenged by intraperitoneal inoculation of 20,000 *Trypanosoma congolense* (strain FN) per mouse. Of all the complexes of prothidium only that with laminarin sulphate clearly showed enhanced activity in mice. When the complex was dried and the solid resuspended just before administration it was less active than the original suspension, though still more active than Prothidium. Other compounds were complexed only with laminarin sulphate or degraded carrageen. Those possessing prophylactic activity in their own right, all showed enhanced activity in mice after complexing. Evaluation (by other workers) of the Prothidium-laminarin sulphate complex in cattle in East Africa showed that the reaction at the site of injection had been considerably reduced. It is suggested that changes in activity reflect the ease with which each complex is split under physiological conditions to liberate its trypanocidal moiety into the blood. The most active complex (Prothidium-laminarin sulphate), presumably releases phenanthridinium at an optimum rate, which is sufficient to maintain trypanocidal activity in the blood without allowing unduly rapid excretion. When a complex is less active than its equivalent of Prothidium the binding of the two molecules would seem to be so strong that trypanocidal levels of the drug cannot be maintained. The increased duration of prophylaxis obtained in mice with the Prothidium bromide-laminarin sulphate complex was not matched by any increase in prophylaxis in cattle in Africa. When Prothidium bromide alone is administered to cattle, the local reaction around the site of injection would appear to have the effect of converting the sealed-off drug into a local depot. If so the injection of cattle with a ready formed depot would be unlikely to confer longer prophylaxis. The reduction in local tissue reaction may be due to a slow release of drug from the complex.



Dr. G. E. Foster, Dartford, puts a question.

preventing too sudden an exposure of tissues round the injection site to high concentrations.

(From the research department, Boots Pure Drug Co., Ltd., Nottingham)

MR. J. E. ADDERSON, Strathclyde, asked for details of the degraded carrageen used in the tests. If the authors were trying to retain the material's anionic properties, they were not, he declared, going about it the right way as autoclaving would strip off most of the sulphate groups. Did the authors test for anionic properties after autoclaving? Also was freshly packed, or partly decomposed material used? One phenomenon associated with injection of carrageen in guinea-pigs was the production of granulomata, which formed a sealed-off area in the tissues. What relation that had to the absorption of drugs he did not know. Had the authors examined the type of lesion and, if so, was it different from the phenanthridinium lesion or just less severe? MR. GROVES said that commercial carrageen had been used but he had been more interested in the laminarin complex. He did not know whether the carrageen complex lost activity on drying, as the wet material had been used. The authors had not used the guinea-pig as an experimental animal. He did not know of a granuloma reaction in mice.

MR. J. E. ADDERSON then introduced:—

### A Temperature-dependent Micellar Change

J. E. ADDERSON and H. TAYLOR

EXPERIMENTS to test the hypothesis that variations with temperature, of the entropy change and heat capacity change resulting from micelle formation of

dodecylpyridinium bromide (DPB) in aqueous solution indicate a change in the nature of the micelles at about 55° (Adderson & Taylor, 1964) are discussed. The solubilisation of Waxoline Yellow IS by DPB has been studied by photometric and conductivity studies from 25–70°. Measurements were plotted against temperature. In each case a sharp break in the curve occurred at about 55°. Curves of control substances were almost linear. The sharp change in the solubilising power of DPB solution at about 55° is consistent with the suggested change in the nature of the micelle from a gel-like to a liquid state (Adderson & Taylor, 1964). A change in the structure of a phase is likely to be accompanied by a change in its solvent powers. The break in the conductivity slope curve indicates a change in the micelles of DPB at about 55°. The slope of the conductivity versus concentration curve for a surfactant solution at concentrations above the CMC is a function in part of the mobility of the micelle. A change in the mobility of the DPB micelles at about 55° additional to that normally expected from a change in temperature is indicated—a change not shown by the single ions. The results are consistent with a change in the nature of the micelle.

(From the pharmacy department, Bradford Institute of Technology)

MR. ELWORTHY, Glasgow, said there was no indication in the paper of the time required for solubilisation of the dye, nor of any stirring. Since the rate of solubilisation of solid dyes was often slow, how did the authors know that equilibrium had been obtained? MR. ADDERSON replied that the materials had been left in a jacketed carrier and the readings taken for up to one week.

DR. A. GLENN presented a paper on:—

### Extinctions Measured on Absorption Curves

M. ISMAIL and A. L. GLENN

ERRORS in setting the wave-length scale of an ultra-violet spectrophotometer cause an increase in the variance of extinctions measured on the slope of an absorption curve. For a steep slope, the coefficient of variation is ten times, and for an average slope five times, the normal value for zero slope. A method is described for obtaining reasonably precise estimates of  $(\delta \log E / \delta S)$ , where "S" refers to the displacement of the wave-length scale. The coefficient of variation bears a linear relationship to  $(\delta \log E / \delta S)$ , which is relevant to the choice of wave-lengths for Vierordt's method.

(From the department of pharmaceutical chemistry, School of Pharmacy, University of London, Brunswick Square, London, W.C.1)

Questioned by DR. A. R. ROGERS, Brighton, DR. GLENN said that the reproducibility of extinction measurements had been studied over 30–40,000 individual measurements. They had not been made with any extra caution nor with any refinements to the instrument. Any given instrument varied in precision even in the course of a week, so that measurements had to be taken over a long period if a uniform sample were

to be obtained. DR. G. E. FOSTER, Dartford, asked about corresponding errors that might be obtained with a recording spectrophotometers. His instrument could be made to run several times over the same line with apparent reproducibility. What effect had temperature had on the readings? DR. GLENN said that, though he had not been investigating those problems, he would think that a substantial number of errors could come in with recording instruments, for example changes in linearity of the chart paper with variations in humidity. There was no reason, however, why photometric accuracy should not be as good as with manual operation. As to temperature, the instrument could be thermostated to obtain better results. The work reported was part of a larger project to establish accuracies in unit steps so that optimum conditions could be recommended.

First paper of the final science session on Friday afternoon, with Dr. W. Mitchell in the chair, was presented by MR. M. ROWLAND:—

### Mathematics Applied to Sustained Release

M. ROWLAND and A. H. BECKETT

A MATHEMATICAL model is described for an ideal sustained-release dosage form in which there is a constant rate of release of drug from the maintenance dose. Kinetic equations related to that model are derived. The implications of the equations in calculating the dosage regimen for a sustained-release product are considered.

(From the School of Pharmacy, Chelsea College of Science and Technology, London, S.W.3)

Considerable discussion took place between Mr. Rowland, DR. D. JACK, Ware; Professor S. Riegelman, San Francisco; Mr. S. C. E. Stevens, Welwyn Garden City, and Professor A. H. Beckett, London, each speaker taking his turn at the blackboard to stress his views by means of equations or graphs. Main points of contention were whether the equations should be based from time zero or time of release of the drug; whether the calculations assumed that a priming dose of a free form of the drug would be included with the sustained release form; and how the significance of the effects produced by second and subsequent doses should be interpreted. The discussion was concluded apparently without any general agreement.

The next paper, presented by DR. J. N. ROWSON, was:—

### Alkaloids of *Rauwolfia vomitoria*

M. B. PATEL, J. POISSON, J. L. POUSSET and J. N. ROWSON

LEAVES of *Rauwolfia vomitoria*, collected in Nigeria, contained at least six alkaloids. Three are indole derivatives (aricine, tetrahydrostolonine, isoreserpiline) and three are isomers of  $\alpha$ -oxindole type (carapanaubine, rauvoxine, rauvoxinine). Rauvoxine and rauvoxinine are new alkaloids. The leaves contained no reserpine.

(From the department of pharmacy, Nigerian College of Technology, Ibadan, the Faculté de Pharmacie de Paris,

and the department of pharmacy, Institute of Technology, Bradford)

PROFESSOR BECKETT, in the light of experience with the *Myrrhyna* species, asked whether alkaloidal content varied with the time of year, and whether the authors had collected samples from different areas. DR. ROWSON replied that seasonal variation had not been studied. His French colleagues had examined samples from elsewhere and had obtained identical qualitative but different quantitative analyses. MR. J. D. PHILLIPSON, Hounslow, questioned the totality of the extractions but was told that the authors had been interested only in crystalline products. They alone had been reported and the speaker was satisfied that they had been correctly characterised. His French colleagues had hinted that they were the only alkaloids present.

Completing the science sessions, a short communication was presented by MR. H. WILLIAMS on:—

### Reaction of Ephedrine with Chloroform

IT has been shown that when (—)-ephedrine is refluxed with chloroform B.P. the resulting ephedrine hydrochloride is contaminated with bromide ion. That arises from the impurity, bromochloromethane, which, with dichloromethane, is present in chloroform B.P. Refluxing the alkaloid with pure bromochloromethane gives an equimolecular mixture of its hydrobromide and hydrochloride salts. A colourless oil is also obtained whose infra-red spectrum is identical with 3,4-dimethyl-5-phenyloxazolidine. A comparison of reaction rates indicated that both (—)-ephedrine B.P. (1958, hemihydrate) and (—)-ephedrine, anhydrous, are much more reactive towards chloroform than to purified chloroform and that (—)-ephedrine B.P. is more reactive than (—)-ephedrine, anhydrous, towards both samples of chloroform.

(From the Welsh School of Pharmacy, Welsh College of Advanced Technology, Cardiff)

PROFESSOR WRIGHT said that, if chlorbutol and ephedrine were left together in liquid paraffin for a few days, ephedrine hydrochloride was precipitated. MR. WILLIAMS agreed, pointing out that the reaction was with the chlorbutol itself and not with an impurity, though he agreed that there were incompatibilities important in dispensing. The work presented was a contribution to the general pattern of information on the reactions of bases under reflux conditions. In reply to PROFESSOR RIEGELMAN, he said that preliminary work showed ephedrine, B.P., to be more reactive than pseudoephedrine towards bromochloromethane. That might be due to the 5 per cent. water present, as pseudo-ephedrine was more reactive than the anhydrous base. DR. FOSTER suggested it was time that an AR grade of chloroform, free from such impurities, was produced. Might it be possible, he asked, to distinguish between alkaloidal bases on the basis of the reaction? MR. WILLIAMS said it was possible to distinguish between quinine and quinidine by their respective reaction rates.

## TRADE REPORT

The prices given are those obtained by importers, or manufacturers for bulk quantities or original packages. Various charges have to be added whereby values are in many instances augmented before wholesale dealers receive the goods into stock. Crude drugs and essential oils vary greatly in quality and higher prices are charged for selected qualities.

**LONDON, OCTOBER 21:** No improvement in the level of business was reported following the General Election. It was widely believed that the new Government would be looking closely at imports, and that it might decide to curb what it considered "luxury" items. Any policy decision made in that connection was not thought likely to affect CRUDE DRUGS or ESSENTIAL OILS.

Meanwhile the £ sterling has touched the lowest point for seven years and that may be having an effect on the purchasing price of commodities particularly from Canada and the United States. SENEGA was slightly dearer, partly from that cause but mainly because of depleted stocks. CHERRY BARK for shipment was nominal, and spot quotations were marked up to 2s. 4d. per lb. from 1s. 9d. GENTIAN was also dearer at 210s. per cwt., a rise of 10s. and NUX VOMICA at 80s. (a rise of 5s.), while BUCHU was dearer by threepence per lb. Against the trend of recent weeks, Brazilian MENTHOL was slightly firmer but Chinese material was down by 1s. 6d. per lb. on the spot. Arrivals of Tinnevelly SENNA PODS and LEAVES at the primary shipping centres are now on the decrease. Consignments shipped during September from Tuticorin were as follows:—

	U.K. TONS	U.S. TONS	EUROPE TONS
SENNAS	12	78	498
LEAVES	3	—	274
PODS	—	—	—

The market for Sarawak PEPPERS was buoyant during the week and prices consequently moved up. TURMERIC was reported to be firmer for shipment by 5s. per cwt. while Jamaican GINGER on the spot was down by 25s.

In ESSENTIAL OILS, Ceylon CITRONELLA eased by threepence per lb. and Chinese by three-halfpence. PEPPERMINT was unchanged. The LEMON oil crop in Sicily is reported to be a good one and with the carry-over from the previous year dealers do not anticipate any further rise in price. On the other hand, the crop of TANGERINE was said to be small and very high prices for new crop are forecast. French LAVENDER prices continued firm.

MERCURY made no further advance on last week's price of £130 per flask; makers of MERCURIALS have not yet altered their schedules but must obviously do so in the near future. A strong demand for BRUCINE continues. In the United States one paper reports suppliers as "scrambling to fill their requirements" for the chemical. Whilst users have contracts around the price quoted on the British market anyone seeking odd spot lots at the moment must pay high premiums.

### Pharmaceutical Chemicals

AMIDOPYRIN.—Per lb. 16s. 8d. for 5-cwt. lots; 1-cwt., 17s. 5d.

AMINACRINE.—HYDROCHLORIDE, B.P., is £26 per kilo.

AMPHEPHETAMINE.—BASE is 150s. per kilo in 5-kilo lots and SULPHATE, 120s.; DEX-AMPHEPHETAMINE, 270s. per kilo for 10 kilos.

AMYLOBARBITONE.—B.P.C. is 74s. per kilo for less than 25-kilo lots. SODIUM is 10s. per kilo more.

ATROPINE.—Per oz. for 16-oz. lots: ALKALOID and METHONITRATE, 39s.; METHYLBROMIDE, 38s. 6d.; SULPHATE, 34s. (1,181s. for 1-kilo).

BARBITONE.—SODIUM derivative is 58s. 3d. per kilo for less than 25-kilo lots.

BEMEGRIDE.—B.P.C. is 320s. per kilo.

BENZOCAINE.—B.P. is 11s. 9d. per lb. in 1-cwt. lots.

BRUCINE.—In 1,000-oz. lots, ALKALOID is 16s. per oz. and SULPHATE, 13s. 6d. per oz.

BUTOBARBITONE.—B.P.C., 80s. per kilo for 25-kilo lots and over.

CAFFEINE.—HYDRATE in 50-kilo lots and over, 25s. 4d. per kilo; CITRATE, 19s. 10d.

CHARCOAL.—Medicinal activated, B.P.C. in 1-cwt. lots, £22 10s. per cwt.

CHLORPHENESIN.—50-kilo lots are 72s. 6d. per kilo.

CINCHOCAINE.—HYDROCHLORIDE, B.P., is 975s. per kilo.

COCAINE.—35-oz. lots HYDROCHLORIDE, 105s. per oz.; ALKALOID, 115s. per oz. Subject to D.D.A. Regulations.

CREAM OF TARTAR.—Home-trade:—One-ton lots, 241s. per cwt.; 10-cwt., 242s.; 5-9-cwt., 243s.; 2-4-cwt., 244s.; 1-cwt., 245s. (If supplied in bags deduct 5s.)

CYCLOBARBITONE.—Under 25 kilos: B.P., 73s. per kilo. CALCIUM, 80s. per kilo.

DIENOESTROL.—B.P. is 1s. per gm. for 5 kilo lots.

DITHRANOL.—B.P. offered at 6s. 9d. per oz. for 7-lb. lots.

DOMIPHEN BROMIDE.—B.P.C. grade, 34s. 6d. per lb. in 1-cwt. lots.

GLYCERIN.—Chemically pure B.P.:—

	Over 25 tons	5 tons and under 25 tons	1 ton and under 5 tons	Under 1 ton
		s. d.	s. d.	s. d.
TANK WAGONS				
10-14 tons	176 0	—	—	—
5-10 tons	177 6	179 6	—	—
DRUMS				
5 cwt.	180 0	182 0	185 0	191 0
2½ cwt.	182 6	184 6	187 6	193 6
TINS				
56 lb.	184 0	186 0	189 0	195 0
28 lb.	205 0	207 0	212 0	220 6
14 lb.	211 0	213 0	218 0	226 6

Minimum delivery 1-cwt. Drums charged and returnable. Minimum terms for technical grade glycerin s.g. 1.2627 are 171s. per cwt. for lots of over 25 tons in bulk deliveries of 10-14 tons.

GUAIACOLS.—LIQUID B.P.C., 16s. per lb., for 1-cwt. lots; CRYSTALS, 15s. 9d.; CARBONATE, 18s.

HEXOBARBITONE.—25-kilo lots or over, 115s. per kilo.

HOMATROPINE.—16-oz. lots (per oz.): ALKALOID, 30s. 6d.; HYDROBROMIDE, 24s. 6d.; HYDROCHLORIDE, 28s. 6d.; METHYLBROMIDE, 25s. 6d. 1-oz. rates are 1s. 6d. per oz. above those rates.

HYOSCINE HYDROBROMIDE.—Per oz. 102s. and per kilo, 3,419s.

LACTOSE.—B.P. in 1-ton lots packed in 1-cwt. paper-lined sacks, £129 10s. per ton, delivered in the United Kingdom.

METHYL PHENOBARBITONE.—B.P.C., 78s. per kilo for less than 25-kilo lots.

NARCOTINE.—ALKALOID and HYDROCHLORIDE, 12s. 6d. per oz. (440s. 6d. kilo) for under 35-oz. lots.

OPIATES.—Home trade prices (per kilo) subject to D.D.A. Regulations:—

CODE NAME	1 kilo and over		Under 1 Kilo	
	s.	d.	s.	d.
ALKALOID	1,903	0	1,939	0
HYDROCHLORIDE	1,665	0	1,701	0
PHOSPHATE	1,445	0	1,480	0
SULPHATE	1,665	0	1,701	0
MORPHINE				
ACETATE	1,762	0	1,798	0
ALKALOID	2,159	0	2,194	0
HYDROCHLORIDE	1,762	0	1,798	0
SULPHATE	1,762	0	1,798	0
TARTRATE	2,115	0	2,150	0
ETHYL MORPHINE				
ALKALOID	2,229	0	2,265	0
HYDROCHLORIDE	1,903	0	1,939	0
DIAMORPHINE				
ALKALOID	2,106	0	2,141	0
HYDROCHLORIDE	1,930	0	1,965	0

Containers below 1-kilo charged 1s. 6d. per container.

PARAFORMALDEHYDE.—B.P.C. is 1s. 3d. per lb. for 1-ton lots; 1s. 5d. per lb. for 1-cwt.

PRALDEHYDE.—B.P. in 12-winchester lots, 2s. 10d. per lb. (6s. 3d. kilo); 10-gall. carboys, 2s. 4d.

PENTOBARBITONE.—25-kilo lots and over are 107s. 6d. per kilo.

PETHIDINE HYDROCHLORIDE.—Subject to D.D.A. Regulations, 5-kilo lots, 300s. per kilo.

PHENAZONE.—Imported, 9s. 6d. per lb.

PHENOBARBITONE.—Spot rates 50-kilo lots, 47s. 6d. per kilo; less than 25-kilos, 50s. 6d. SODIUM SALT, 55s. 6d. per kilo for less than 25-kilo lots.

PHENOL.—Ice crystals in bulk, 1s. 4d. per lb. LIQUID, B.P., 1s. 9d. per lb. in 56-lb. returnable tins.

PHOLCODINE.—8-oz. lots, 95s. 9d. per oz. (3,377s. per kilo).

PHTHALYL SULPHATHIAZOLE.—Five-kilo lots, 31s. per kilo.

PREDNISOLONE.—ALCOHOL and ACETATE from 7s. 6d. per gm.

PREDNISONE.—One-kilo lots, ALCOHOL and ACETATE, 7s. 3d. per gm.

QUINALBARBITONE.—Sodium salt is 110s. per kilo for 25-kilos and over.

SUCCINYL SULPHATHIAZOLE.—Five-kilo lots, 38s. 6d. per kilo.

SULPHACETAMIDE.—50-kilo lots, 54s. per kilo; 50-kilo lots, 60s.

SULPHADIMIDINE.—50-kilo lots are 60s. per kilo.

SULPHAGUANIDINE.—100-kilo lots, about 19s. 6d. per kilo.

SULPHAMETHIZOLE.—Per kilo, 5-kilo lots, 100s.; 50-kilos, 95s.

SULPHANILAMIDE.—50-kilo lots, 13s. 1d. per kilo.

SULPHAPYRIDINE.—Five-kilo lots, 120s. per kilo.

SULPHURIC ACID.—Ninelpence to 1s. 2½d. per lb. in winchesters.

THEOPHYLLINE.—12½-kilo lots; ALKALOID ANHYDROUS, 32s. 3d. per kilo and B.P., 33s. 3d.; AMINOPHYLLINE, 29s. per kilo, 12½ kilos, 31s. per kilo.

UREA.—Pharmaceutical grade, £59 15s. per ton in 1-cwt. bags non-returnable; technical quality, £41 5s. per ton (4-ton lots).

# BIG NEWS



**new!**

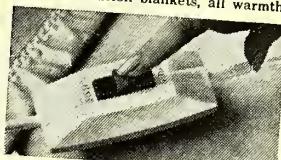
## PUSH-BUTTON WARMTH

Only with EKCO electric blankets—a choice of warmths at the touch of a button!

Press—it's on full-heat! Lots of cosy warmth spreads between the sheets. Press—it's on half-heat! Gentle warmth pre-heats the bed whilst you're out (or for those not-so-chilly evenings). Only Ekco bring you bedtime bliss so simply, so elegantly. What's inside, Ekco's neat, push-button warmth control? New Ekco 'Heat Keeper' that gives you constant warmth. Your blanket never gets warmer (or cooler) once your pre-selected temperature is reached.

No thermostats! Some electric blankets have the warmth-controlling thermostats in the actual blanket you lie on. With Ekco push-button blankets, all warmth-

controlling is done by the 'Heat Keeper'. So, the Ekco secret's in the control—not the blanket! Never a cold patch because the elements are extra long. Ekco blanket elements are tested to withstand one million bends without breaking. And the whole circuit is 'Sealed in' with non corrosive plastic to give virtually everlasting safety. No wonder Ekco have been awarded the coveted BEAB mark for safety and are approved by Good Housekeeping Institute. What's more, all Ekco blankets are guaranteed for a full three years. You can own an Ekco de-luxe, push-button blanket for as little as £5.13.1d.



The warmest  
bedtime story  
ever told

**EKCO**

NOW YOU CAN BUY A QUALITY ELECTRIC BLANKET FOR JUST 8S/-  
Ekco 'Popularity' Range with illuminated on/off switch. Yes, a de-luxe electric blanket—guaranteed for 3 years, and with many safety features including the BEAB mark for only 8s/- To keep you nice and warm at a low price, choose Ekco 'Popularity' range.

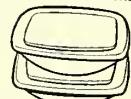
**ELECTRIC BLANKETS**

Ekco Heating & Electrical Ltd. 41-47 Old St., London, EC1 Tel: CLE 7142/6

### AND FOR AN EVEN MORE LUXURIOUS ELECTRIC BLANKET—

The magnificient 'Princess' automatic underblanket and duvet blankets! If you insist on the best of the EKCO Princess, you'll want the electric blanket in the most lavish extra-large size that caresses you all over with warmth at different warmths; all automatically controlled. It's a pleasure. Sleep Sentry too—the most advanced control device you can buy. It maintains your pre-selected temperature even if the room temperature may change. And if the blanket accidentally misuses the 'Sleep Sentry' turns it off automatically. Ekco 'Princess' blanket starts at £7.18.10.

\* **EKOWARE OFFER.** To introduce another brilliant Ekco product we will send you two of the new Ekoware plastics food containers with the 'special seal' lid. Cut out this advertisement and send it with the guarantee card of your new Ekco electric blanket (any type). You will receive your sample Ekoware table bowls—completely free of charge.



See Ekco electric blankets at your electrical dealer or department store or write for the free full colour leaflet—'The warmest bedtime story ever told.'\*

# 31 MILLION WILL GET THE EKCO MESSAGE!!

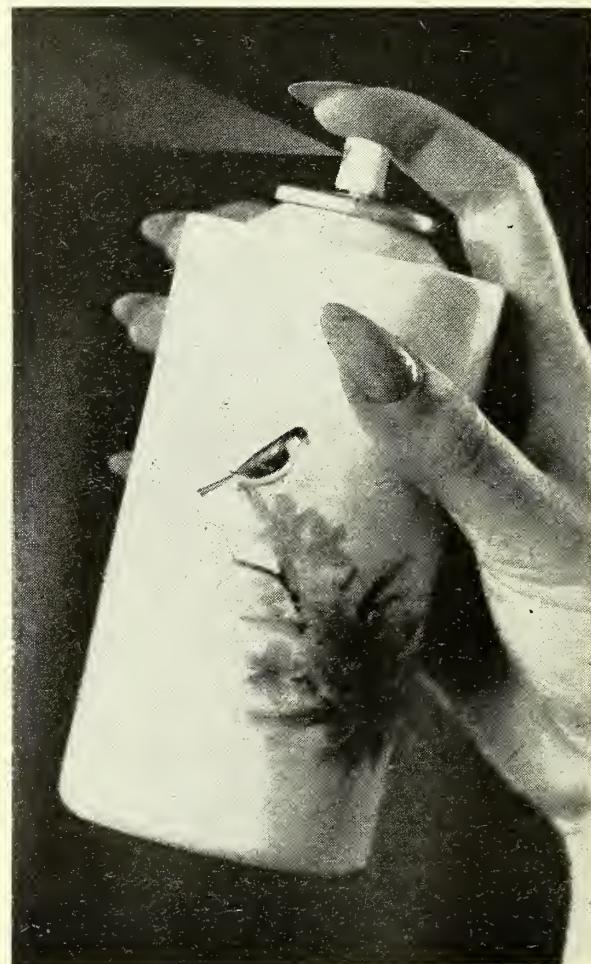
**IN RADIO TIMES, SUNDAY MIRROR, NEWS OF THE WORLD**

**Big news!** Really big spaces for sensational new Ekco electric blankets in top-circulation papers. 31 million readers—bursting with spending power! **Big news!** Free Ekoware food container for everyone who chooses

Ekco blankets. (They just cut out Ekco blanket ad. and send it with guarantee form to Ekco. No trouble for you.) Stock Ekco blankets—and profit!

Ekco Heating & Electrical Ltd. 41/47 Old Street, London EC1

# Now Star Spray makes an exciting present as well as a handsome profit



**Retail Price, only 13/6  
Packed in half dozens**

Watch present-shoppers go for Bristow's Star Spray—in this wonderfully attractive pottery gift jar. It's perfect for dressing table use. Gay. Good-looking. Has a gold-rimmed cap and practical, non-scratch base. Best of all it contains an 8/- aerosol of top-selling Bristow's Star Spray. Use the compelling counter display shown left and make extra profits. Extra? Yes, there are special terms for this Star Spray Christmas pack.

**CONCENTRATE ON  
BEECHAM  
BRANDS**



BEECHAM TOILETRY DIVISION  
BEECHAM HOUSE • BRENTFORD  
... MIDDLESEX

## THE CHEMIST AND DRUGGIST

## Crude Drugs

**ANISE.** — Chinese STAR, 140s. per cwt., spot, duty paid; f.a.q. for shipment, 118s., c.i.f.

**BALSAMS.** — Per lb.: CANADA: Spot 19s. to 23s. 6d. COPAIBA: B.P.C. grade, 9s. to 10s. PERU: Spot short at 10s. TOLU: B.P., from 10s. 6d. to 27s. 6d.

**BENZOIN.** — Sumatra block spot from £19 to £40 per cwt. as to quality.

**BUCHU.** — Spot is 5s. per lb.; shipment cleared.

**CALAMUS.** — ROOT, 100s. per cwt., spot, 87s. 6d. c.i.f.

**CAMPHOR.** — B.P. powder spot, 6s. 6d. in bond; shipment, 5s. 8d. per lb., c.i.f.

**CARDAMOMS.** — Aleppy greens, 10s. 6d. per lb. spot; shipment about 10s. 4½d. c.i.f.

**CASSIA.** — *Fistula*, 105s. per cwt. landed; *ligneae* (whole), for prompt shipment, 185s. c.i.f.; selected broken, 175s. c.i.f.

**CHERRY BARK.** — Thin natural, 2s. 4d. per lb.; shipment, 2s., c.i.f., nominal.

**CINNAMON.** — QUILLS, Ceylon (per lb., c.i.f.): 4 O's, 9s. 2d.; single O, 7s. 4d.; quillings, 5s. 9d. BARK, Seychelles, 90s. cwt. spot.

**CLOVES.** — Zanzibar spot 2s. 10½d. per lb. standard grade; shipment, 2s. 7d., c.i.f.

**COCILLANA.** — Bark 1s. 7d. per lb. on the spot.

**DIGITALIS.** — *Purpurea* leaves, 2s. 6d. per lb.

**ELEMI.** — Spot, 1s. 9d. per lb.; shipment; new crop. October–November, 1s. 6d. c.i.f.

**GENTIAN.** — Root, 210s. per cwt. spot; shipment, 195s., c.i.f.

**GINGER.** — (Per cwt.) African, spot, 310s. per cwt. Jamaican No. 3 spot, 575s.; shipment, no offers. Cochin, prompt shipment, 350s., c.i.f.

**GUM ACACIA.** — Kordofan cleaned sorts, 167s. 6d. per cwt. spot; October–November shipment, 150s., c.i.f.

**HENNA.** — Indian, for December–January shipment, 66s., c.i.f.

**IPECACUANHA.** — Matto Grosso for shipment, 60s. per lb., c.i.f. and spot from 62s. to 64s., as to test. Colombian 63s. c.i.f.; spot, 66s. Costa Rican, 82s., c.i.f. and 91s., spot.

**KARAYA.** — No. 1 f.a.q. gum, spot, 400s.; No. 2, 335s. per cwt.

**KOLA NUTS.** — African, 6d. spot and 5d. per lb., c.i.f.

**LEMON PEEL.** — Spot, 2s. per lb.; partially extracted, 1s. 4d.

**LINSEED.** — Whole, 72s. 6d. per cwt.; crushed, 110s.

**LIQUORICE.** — Natural root: Russian, 67s. 6d. per cwt.; Anatolian, 57s. 6d.; Anatolian decorticated, 170s. Block juice: Anatolian, 210s. to 220s. per cwt.; Italian stick from 395s. to 460s. per cwt.

**LOBELIA.** — Herb, Dutch on the spot, 4s. 6d. to 5s. 3d. per lb.; new crop, 4s. 6d., c.i.f. American herb is not quoted.

**MACE.** — Whole pale blade, 14s. 6d. per lb. on the spot. Shipment, 14s., f.o.b.

**MENTHOL.** — Chinese: spot, 22s. 6d. per lb., duty paid; shipment, 21s., c.i.f.; Brazilian, 17s. 3d. to 17s. 6d., as to brand, in bond and shipment, 17s., c.i.f.

**MERCURY.** — Spot, nominally £130 per flask of 76 lb. ex warehouse.

**NUTMEGS.** — West Indian, spot, 80's, 9s. 6d., nominal; unassorted, 7s. 9d. per lb.; defective, 5s. 3d. East Indian for shipment: 80's, 7s. 8d. per lb.; 110's, 7s. 3d.; b.w.p. 4s. 6d., all c.i.f.

**NUX VOMICA.** — Cochin, 80s. per cwt. on the spot; shipment, 60s., c.i.f.

**ORANGE PEEL.** — Spot: Sweet ribbon, 1s. 8d. per lb., bitter quarters: West Indian, 10½d.; Spanish, 1s. 9d.

**PEPPER.** — White Sarawak spot is 2s. 9½d. to 2s. 11d. per lb.; shipment, 2s. 9½d., c.i.f. Black Sarawak spot, 2s. 5½d., shipment, 2s. 4½d., c.i.f. Black Malabar is unobtainable on the spot; shipment quoted at 320s. per cwt., c.i.f.

**PIMENTO.** — Spot quoted at 690s. per cwt., shipment, 600s., f.o.b.

**PODOPHYLLUM.** — Spot per cwt.: *Emodi*, 225s. (210s., c.i.f.); *Peltatum*, 190s.

**PYRETHRUM.** — Extracts — partially dewaxed, 25 per cent. pyrethrins, 69s. to 65s. 6d. per lb.; pale, 82s. 6d. to 79s.; crude oleoresin, 60s. 6d.

**QUASSIA.** — Supplies virtually unobtainable.

**QUILLIA.** — Spot, 120s. per cwt.; shipment, 100s., c.i.f.

**RHUBARB.** — Good manufacturing offered at 8s. 6d. per lb.; No. 1, 15s. 6d.

**SAFFRON.** — Mancha superior firm at 285s. per lb., spot.

**SARSAPARILLA.** — Jamaican native red spot, 3s. per lb.; shipment, 2s. 9d., c.i.f. nominal.

**SEEDS.** — (Per cwt.). ANISE.—Spanish, 280s., duty paid, CARAWAY.—Dutch, 135s., duty free. CELERY.—Indian unchanged on spot at 160s.; shipment firmer at 162s. 6d., c.i.f. CORIANDER.—Moroccan is 60s., duty paid; shipment, 46s., c.i.f. CUMIN.—Moroccan firm at 285s., duty paid; Iranian, 280s., duty paid with business passing; shipment Moroccan, 230s., c.i.f. quoted. DILL.—Indian on spot, 90s.; shipment, 75s., c.i.f. FENNEL.—Indian nominally 165s., spot; shipment dearer at 155s., c.i.f. FENUGREEK.—Moroccan, 48s., duty paid; shipment, 34s., c.i.f. MUSTARD.—English, 45s. to 65s., according to quality.

**SENEGA.** — Spot, 18s. 3d. per lb. spot; shipment, 17s. 9d., c.i.f.

**SENNA.** — (Per lb.). Tinnevelly LEAVES spot: Prime No. 1, 2s.; prime No. 2, 1s. 8d.; No. 3, f.a.q., 1s. 2d. Shipment: No. 3, 1s. 1d., c.i.f. PODS: Tinnevelly, hand-picked, 2s 1½d., spot; manufacturing 1s. 4½d.; shipment, 1s. 1½d., c.i.f. Alexandria PODS: hand-picked in limited supplies at 10s.; manufacturing, small lots at from 3s. 3d. to 3s. 6d.

**SHELIA.** — F.O.T.N., 215s. per cwt., No. 1, 245s.; F.O., from 255s. to 315s.

**SLIPPERY ELM BARK.** — Spot offered at 3s. 4d. per lb.

**SQUILL.** — Italian spot, 180s. per cwt.; shipment, 170s., c.i.f. Indian, 75s. per cwt., spot.

**STRAMONIUM.** — Continental LEAVES 85s. per cwt. spot.

**STYRAX.** — Spot, 15s. 6d. per lb.; shipment, 14s. 6d., c.i.f.

**TONQUIN BEANS.** — Para spot, 4s. 6d. per lb.; shipment, 4s., c.i.f.; Trinidad, 5s. 6d., spot.

**TRAGACANTH.** — No. 1 ribbon, £225 per cwt. No. 2, £215.

**TURMERIC.** — Madras finger offered at 150s. per cwt., spot; shipment reported firmer at 150s., c.i.f.

**VALERIAN ROOT.** — Spot: Indian, 175s. per cwt.

**VANILLIN.** — Rates (per lb.) are now:— 5-cwt. lots, 21s. 6d.; 1-cwt., 21s. 9d.; 56-lb., 22s.; small quantities, 22s. 6d.

**WAXES.** — (Per cwt.): Bees'—Dar-es-Salaam, 450s.; shipment, 427s. 6d., c.i.f. Sudanese, spot, 400s., in bond; shipment, 390s., c.i.f. CANDELILLA, spot, 465s.; forward, 460s. landed. CARNAUBA, fatty grey spot, 365s.; shipment, 350s., c.i.f.; prime yellow, spot, 740s.; shipment, 680s., c.i.f.

**WITCH HAZEL LEAVES.** — Spot quotations are 2s. 2d. per lb.; new crop for shipment, 2s. 1d., c.i.f.

## Essential and Expressed Oils

**ALMOND.** — Imported sweet oil is 7s. 3d. per lb., spot.

**AMBER.** — Rectified on the spot, 2s. per lb.

**BOIS DE ROSE.** — Brazilian, 17s. 6d. per lb. on the spot; shipment, 16s., c.i.f.

**CADE.** — Spanish from 1s. 9d. per lb. for drum lots.

**CAJUPUT.** — Spot, from 9s. per lb.

**CARAWAY.** — From 40s. to 60s. per lb. as to source.

**CEDARWOOD.** — American from 7s. 6d. per lb. on the spot.

**CINNAMON.** — Best English-distilled, 720s. per lb.; other B.P. oils from 22s. to 120s. per lb. Ceylon leaf, 20s.; Seychelles from 9s. 6d., spot.

**CITRONELLA.** — Ceylon spot, 7s. 6d., shipment, 7s. 3d. per lb., c.i.f. Formosan, in bond, 6s. 4½d., and shipment, nominal. Chinese, 6s. 3d., in bond, 5s. 10d., c.i.f.

**CLOVE.** — Madagascar leaf spot, 7s. 1½d. per lb., duty paid; shipment, 6s., c.i.f. Rectified, 10s. Distilled bud-oil, ENGLISH B.P., 26s. per lb. for 1-cwt. lots.

**CORIANDER.** — From 34s. to 45s. per lb., spot, as to origin.

**CUMIN.** — English distilled oil, 130s. per lb., imported, 90s. to 120s.

**DILL.** — Imported is from 34s. to 39s. per lb., spot.

**FENNEL.** — Spanish sweet, spot, 10s. per lb.

**GERANIUM.** — Bourbon, 87s. 6d. to 92s. 6d., spot.

**GINGER.** — Imported (per lb.): Indian, 200s.; Chinese, 75s.; Jamaican, 132s. 6d.

**GRAPEFRUIT.** — Spot offers from 17s. 6d. per lb.

**LAVANDIN.** — From 25s. to 28s. 6d. per lb. as to quality.

**LAVENDER.** — French, from 40s. to 50s. per lb. as to quality.

**LAVENDER SPIKE.** — Spanish, 27s. 6d. to 35s. per lb.

**LEMONGRASS.** — Spot, 8s. 10½d. per lb.; shipment, 8s. 4½d., c.i.f.

**ORANGE.** — Floridan sweet oil, 5s. to 6s. per lb. West Indian, 10s.; Spanish, 16s. 6d. to 18s.

**PALMAROSA.** — Shipment, 52s. 6d. per lb. c.i.f.; spot, 60s.

**PATCHOULI.** — Penang is 45s. duty paid and 40s., c.i.f. per lb.

**SAGE.** — Spanish, 20s. per lb., duty paid.

**SANDALWOOD.** — Mysore, 106s. 6d. per lb., spot. East Indian for shipment, 106s., c.i.f.

**SPEARMINT.** — American oil on the spot, 26s. per lb.

**TANGERINE.** — Sicilian best quality about 45s. per lb.

**THYME.** — From 20s. to 22s. 6d. per lb. as to test.

**VETIVERT.** — Bourbon spot, 85s. to 97s. 6d. per lb.

**YLANG YLANG.** — Best oil quoted about 135s. per lb.

## UNITED STATES REPORT

**NEW YORK, OCTOBER 20:** Brazilian MENTHOL was lowered five cents to \$3.10 a lb. Cheaper per kilo are ASCORBIC ACID at \$4 (down 10 cents), and SODIUM ASCORBATE at \$4.35 (down 25 cents). ERGOT was advanced 25 cents to \$1.75 a lb. Lower per lb. were IPECACUANHA at \$10, down 50 cents, and COPAIBA BALSAM at 60 cents, down five cents. MARJORAM OIL was boosted 25 cents to \$2.25 per lb. Ceylon CITRONELLA OIL at \$1.35, was down 10 cents per lb.

## NEW COMPANIES

P.C.=Private Company, R.O.=Registered Office.

CAROLINE COSMETICS, LTD. (P.C.)—Capital £100. To carry on the business of beauty specialists, etc. Directors: Francis J. Bleasdale, Bryan Buddle and Albert E. Cross, R.O.: 92 Holt Road, Liverpool, 7.

FORRESTER WOOD & CO., LTD. (P.C.)—Capital £1,000. To carry on the business of manufacturers of and dealers in colours, essences and essential oils, concentrates, etc. Directors: Arthur S. Jones, Leslie J. Kirkham and Eric Thompson, R.O.: Taylor Street, Hyde, Cheshire.

FOX AND SAPER LTD (P.C.)—Capital £100. To carry on the business of chemists, herbalists and seedsmen, etc. Directors: Manfred Fox and Joshua Saper, R.O.: 243 Nerher Street, London, N.3.

INTERNATIONAL GENERICS, LTD. (P.C.)—Capital £100,000. To carry on the business of wholesale and retail chemists, etc. Subscribers: John V. Akerman and John Anderson, R.O.: 6 Martin Lane, London, E.C.4.

LATCHET, LTD. (P.C.)—Capital £100. To carry on the business of manufacturers of and dealers in agents for chemicals, chemical finishes, emulsions, etc. Subscribers: Shirley Hart and Averill Hart, R.O.: Castilian Chambers, Castilian Street, Northampton.

MEDWAY PHARMACEUTICAL SUPPLIES, LTD. (P.C.)—Capital £1,000. To carry on the business of selling agents and consultants to the pharmaceutical chemical trades, etc. Directors: Alan J. Smith and Mrs. Barbara M. Smith, R.O.: 320 Canterbury Street, Gillingham, Kent.

PARFUMS CAPUCCI (G.B.), LTD. (P.C.)—Capital £100. To carry on the business of manufacturers of and dealers in perfumes and essences, etc. Directors: Stanley M. Atkins, Stanley M. Stecklyn, Desmond S. Howe and Julian Jablon, R.O.: 17 Baker Street, London, W.1.

ROGER KNOWLES PERFUMES, LTD. (P.C.)—Capital £100. To carry on the business of manufacturers of and dealers in perfumes and cosmetics, etc. Directors: Roger Knowles, M.P.S., Kathleen Knowles, Wilfred Knowles and Elizabeth Knowles, R.O.: 42 Cavendish Street, Keighley, Yorks.

## TRADE MARKS

### APPLICATIONS ADVERTISED BEFORE REGISTRATION

From the "Trade Marks Journal," September 30

For all goods (3)

GLISSANDO, 856,312, by Richard Hudnut, Morris Plains, New Jersey, U.S.A. DOWFAX, 863,453, by Dow Chemical Co., Midland, Michigan U.S.A.

For perfumes, toilet preparations (non-medicated), cosmetic preparations, dentifrices, depilatory preparations, toilet articles (not included in other classes), preparations for the hair and soaps (3) EFFASSOL, 857,218, by l'Oreal, Paris, France.

For preparations for the hair (3)

HEY-DAY, 860,496, by l'Oreal, Paris, France.

For preparations and substances for laundry use, cleaning, polishing, scouring and abrasive preparations; detergents (not for use in industrial or manufacturing processes); and leather preservatives (3)

TOPANOX, 862,657, by Imperial Chemical Industries, Ltd., London, S.W.1.

For preparations for dyeing and tinting the hair (3)

COLORAMA, 866,886, by Rapidol, Ltd., London, W.7.

For perfumes, non-medicated toilet preparations, cosmetic preparations, dentifrices, depilatory preparations, toilet articles (not included in other classes), sachets for use in waving the hair, shampoos, soaps and essential oils, all being goods for sale in the United Kingdom (3)

SETIQUE, 867,079, by Cussons Sons & Co., Ltd., Manchester, 7.

For steroid preparations for use as implants for medical and veterinary purposes (5)

IMPLET, 861,886, by Organon Laboratories, Ltd., Morden, Surrey.

For all goods (5)

KRUSCHEN SPA, 855,408, by E. Griffiths Hughes, Ltd., Slough, Bucks. LUBRI-PAK, 859,360, by C. R. Bard, Inc., Murray Hill, New Jersey, U.S.A. Device with word DRA-GOCO, 861,257, by Dragoco Spezialfabrik Konzentrierter Riech-und Aromastoffe, G.m.b.H., Holzminden Weser, Germany.

For all goods (5)

KRUSCHEN SPA, 855,408, by E. Griffiths Hughes, Ltd., Slough, Bucks. LUBRI-PAK, 859,360, by C. R. Bard, Inc., Murray Hill, New Jersey, U.S.A. Device with word DRA-GOCO, 861,257, by Dragoco Spezialfabrik Konzentrierter Riech-und Aromastoffe, G.m.b.H., Holzminden Weser, Germany.

MEDIMIST, 864,185, by Genatosan, Ltd., Loughborough Leics. INITARD, 867,592, by Nordisk Insulintaboratorium, Gentofte, Denmark: PARAVESS, 867,624, by Fisons Pharmaceuticals, Ltd., Loughborough, Leics.

For infants' and invalids' foods and dietetic foods (5)

GOLDEN RING, 864,039, by J. E. Cohen & Co., Ltd., Cheshunt, Herts.

For pharmaceutical preparations and substances (5)

CAMCOLIT, 864,422, by Camden Chemical Co., Ltd., London, W.C.1.

For preparations for the topical treatment of hemorrhoids (5)

LEMUVAL, 867,518, by Farbenfabriken Bayer, A.G., Leverkusen, Germany.

For pharmaceutical preparations (5)

VI-DAYLIN, 864,909, by Abbott Laboratories, North Chicago, Lake, Illinois, U.S.A. ORASTHIN, 867,372, by Farbwerke Hoechst, A.G. vormals Meister Lucius & Brüning, Frankfurt-on-Main-Hoechst, Germany.

For photographic apparatus and instruments; cinematographic cameras, photographic and cinematographic projectors; and parts and fittings (9)

CORSAIR, 866,246, by Mini-Optics, Ltd., London, N.W.11.

From the "Trade Marks Journal," October 7

For chemical preparations for inhibiting the growth of micro-organisms in industrial processes and in materials used in such processes; and chemical preparations for incorporating into products during the course of manufacture to inhibit the growth of micro-organisms (1)

BUTROL, 855,471, by Buckman Laboratories, Inc., Memphis, Tennessee, U.S.A.

For biochemical products obtained from natural sources and being for industrial use (1) and for pharmaceutical preparations being bio-chemical products obtained from natural sources (5)

Device with word SERAVAC, 849,255-6, by Seravac Laboratories (Proprietary), Ltd., Cape Town, South Africa.

For all goods (1) (3) and (5)

Device, 863,081-83, by Albright & Wilson, Ltd., London, S.W.1.

For all goods containing amides (2)

MERGINAMIDE, 865,570, by J. Bibby & Sons, Ltd., Liverpool.

For cosmetics, non-medicated toilet preparations and perfumes (3)

MAGAZINE GIRL, B847,571, by Noxzema Chemical Co., Baltimore, Maryland, U.S.A.

For shampoos (3)

CRY BABY, 849,165, by Colgate-Palmolive Co., New York, U.S.A.

For water-based detergents (not for use in industrial or manufacturing process (3)

BIG BITE, 850,584, by S. C. Johnson & Son, Inc., Racine, Wisconsin, U.S.A.

For perfumes, perfumed bars, perfumed sachets; and perfumed preparations for wardrobes and for linen (3)

PERMINOVA FRESHY 77, 855,981, by Perminova, A.G., Zurich, Switzerland.

For non-medicated toilet preparations for application to the eyelashes, and eyelash lengtheners being toilet articles (3)

FABULASH, 860,342, by Revlon, Inc., New York, U.S.A.

For cleaning preparations (3)

GODDARD'S TRAVEL WASH, 862,524, by J. Goddard & Sons, Ltd., Leicester, LIDITEX H.J., 864,442, by Chemische Fabrik Apeldoorn, Holland.

For domestic bleaches sold in polyethylene flexible containers (3)

GOLDEN RULE, 862,851, by Lanry Products, Ltd., Nelson, Lancs.

For shampoo preparations in powdered form, for the hair (3)

MADISON FORMATION, 863,817, by Charles Alexander & Co., Ltd., Molesley, Surrey.

For preparations and substances for laundry use; cleaning, polishing and scouring preparations; but not including soap (3)

OLA, 864,205, by Colgate-Palmolive Co., New York, U.S.A.

For room deodorants and air-purifying preparations (5)

BEAUTY COUNSELOR FRESH-N-UP, 863,714, by Beauty Counselors of London, Ltd., Newhaven, Sussex.

## Prescribers' Press

### What doctors are reading about developments in drugs and treatments

RESULTS of a study of cancer incidence in 540 patients receiving anti-coagulant therapy are reported by a Canadian physician. Twenty-two cancers developed in nineteen of the patients and there was one death, in contrast to the eight predictable on the basis of general population statistics. The findings, says the author, indicate that anti-coagulants may alter the natural history of cancer and suggest that a fully controlled prospective study should be carried out. (*Lancet*, October 17, p. 832.)

PROTECTION of mice against intraperitoneal injections with encephalitis viruses by the subcutaneous or intramuscular inoculation of mouse interferon has been shown to occur by Dr. N. B. Finter (research department, Pharmaceuticals division, Imperial Chemical Industries, Ltd.). A single dose afforded protection when given up to thirty hours before infection but not at forty-eight hours. Administration three hours after infection also afforded some protection to the animals. (*B.M.J.*, October 17, p. 981.)

NO therapeutic advantage over a placebo cream from the use of a cream containing 0.5 per cent. of idoxuridine (IDU) was found in a double-blind controlled trial carried out to assess the effect of that compound in the treatment of herpes of the face. However, the authors (from Radcliffe Infirmary, Oxford) discuss the possibility that, through relative insolubility, adequate amounts of the compound were not reaching the affected cells. They are carrying out further trials using an IDU-containing fluid administered directly into the affected area by means of a modified airgun for intradermal injections. Another worker, from the Medical Research Council laboratories, Fajara, Gambia, reports having found no influence on the course of active trachoma by the use of IDU in the form of 0.5 per cent. ophthalmic ointment and 0.1 per cent. ophthalmic solution. That is not thought surprising, however, as the aetiologial agent is not a true virus. (*B.M.J.*, October 17, pp. 987, 989.)

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## PRINT AND PUBLICITY

### Baby Book Through Chemists

WITH the co-operation of pharmaceutical chemists, Glaxo Laboratories, Ltd., Greenford, Middlesex, are staging a novel campaign to launch a new edition of the "Glaxo Mother and Baby Book." In the weeks before Christmas a series of advertisements in six publications (national, magazine and medical) may be cut out by readers and handed to a chemist in return for a copy of the book for sixpence instead of a shilling. An initial stock of books has been supplied to chemists free of charge. Additional copies are being provided in exchange for returned advertisements.



**DRUM SHOWS THE COLOURS:** An acetate drum produced for the Griptight de luxe teething-ring soother of Lewis Woolf Griptight, Ltd., 144 Oakfield Road, Selly Oak, Birmingham, 29, holds twenty-four soothers and shows off the five colours in which they are presented.

## COMMERCIAL TELEVISION

Figures in these columns represent the number of appearances of the "spot" during the week

November 1-7

	London	Midland	North	Scotland	Wales	South	North-east	Anglia	Ulster	Westward	Border	Grampian	Isle of Man	Channel Is.	W. & N. Wales
Alka-Seltzer	2	1	2	3	—	3	—	3	3	2	2	3	2	3	—
Antussin	2	3	3	1	2	3	3	1	2	—	—	—	—	—	—
Askit powders and tablets	—	—	—	14	—	—	—	—	—	—	—	—	—	—	—
Aspro	7	7	7	7	7	7	7	7	—	7	7	7	—	7	7
Atrix	3	—	1	—	—	—	—	—	—	—	—	—	—	—	—
Cuticura preparations	2	2	2	2	2	2	2	—	2	—	—	—	—	2	—
Delrosa rose hip syrup	—	—	—	1	—	1	—	1	—	—	—	—	—	—	—
Dinneford's magnesia	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—
Euthymol tooth-paste	—	1	1	1	1	1	—	1	1	—	—	1	—	—	—
Farlene	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—
Fiery Jack ointment	—	—	3	—	—	—	—	—	—	—	—	—	—	—	—
Gloveties	—	3	—	—	—	—	—	—	—	—	—	—	—	—	—
Imperial Leather soap	—	—	—	9	—	—	—	—	—	—	—	8	—	—	—
Loxene shampoo	—	1	1	—	1	1	—	1	1	1	1	1	—	—	—
Milk of Magnesia tablets	—	1	—	1	1	—	1	—	1	—	—	—	—	—	—
Moorland indigestion tablets	—	—	—	1	—	—	1	—	—	—	—	—	—	—	—
Owbridge's cough medicine	3	3	3	—	3	2	3	3	—	3	—	—	3	—	—
Rinstead pastilles	—	1	1	2	1	2	1	2	2	3	2	2	—	—	—
Setlers	1	—	1	—	—	2	—	—	—	1	—	—	—	—	—
Silver Gillette razor blades	3	2	3	3	2	1	2	2	2	2	2	—	—	—	—
Veno's cough mixture	—	1	3	3	1	1	1	1	1	1	2	1	—	1	—
Wright's coal tar soap	—	1	2	—	1	2	—	2	—	2	—	—	1	—	—
Woodward's gripe water	2	2	2	2	2	2	2	2	2	2	2	2	—	2	2

## PRESS ADVERTISING

DUNLOP RUBBER CO., LTD., P.O. Box 151, Cambridge Street, Manchester, 1: Dunlop hot-water bottles. In *Woman's Own*, *Woman and Home*, *Housewife*, *Everywoman* and *Good Housekeeping*.

EYLURE, LTD., 60 Bridge Road East, Welwyn Garden City, Herts: Eylure eyelashes, lash applicator, Standing Eyeliner brush and Contour Eyeliner brush and false fingernails. In magazines.

G. T. FULFORD CO. (U.K.), LTD., Cornwall Road, Hatch End, Middlesex: Prodan. In *Daily Mirror*, *Daily Express* and *Daily Mail*.

GERHARDT-PENICK, LTD., Thornton Laboratories, Purley Way, Croydon, Surrey: Dethmor rat and mouse killer. In all farming journals.

JAMES, SAMUEL & CO., LTD., 56 Fairfield Street, London, S.W.18: Glycinello hand cream. In *Woman*, *Woman's Own*, *Woman's Realm* and *Housewife*.

JOHNSON & JOHNSON (GREAT BRITAIN), LTD., Slough, Bucks: Johnson's cotton buds for babies. In *Woman's Own*, *Woman*, *Baby World*, *Mother* and *Woman's Realm*.

MONIL, LTD., Hunmanby, Filey, Yorks: Monil hair colouring. In women's journals and the provincial Press.

## COMING EVENTS

Items for inclusion under this heading  
Editor not later than first post on Wednesday of the week of insertion.

### Monday, October 26

COLCHESTER BRANCH, PHARMACEUTICAL SOCIETY, Public library lecture room, Colchester, at 7.45 p.m. Dr. A. Herxheimer (lecturer in pharmacology, London Hospital medical college) on "Drugs in Dermatology."

GUILDFORD BRANCH, PHARMACEUTICAL SOCIETY, Prince of Wales hotel, Guildford, at 7.45 p.m. Discussion evening (including the proposed revised constitution of the Council and the man-power survey).

### Tuesday, October 27

GLASGOW PHARMACY CLUB, Grosvenor hotel, Glasgow, at 7 p.m. Dinner and dance.

LEICESTER AND LEICESTERSHIRE BRANCH, PHARMACEUTICAL SOCIETY, Room 104, College of Technology, Leicester, at 7.30 p.m. School of pharmacy prize-giving.

NEWCASTLE AND NORTHUMBERLAND BRANCH, PHARMACEUTICAL SOCIETY, Chemistry lecture theatre No 2, King's College, University of Newcastle-on-Tyne, at 7.30 p.m. Dr. N. Wynne on "Hormones."

NORTH STAFFORDSHIRE BRANCH, PHARMACEUTICAL SOCIETY, North Stafford hotel, Stoke-on-Trent, at 7.45 p.m. Formulation of Branch resolutions and discussion of the proposed new constitution of the Council.

SCHOOL OF PHARMACY, CHELSEA COLLEGE OF SCIENCE AND TECHNOLOGY, Manresa Road, London, S.W.3, at 7.15 p.m. Mr. J. Allen (chief analyst, The British Drug Houses, Ltd.) on "Chemical and Physico-chemical Control of Bulk Drugs and Formulated Products" (lecture series).

### Wednesday, October 28

BRADFORD BRANCH, PHARMACEUTICAL SOCIETY, Busbys' Fountain Hall, Bradford, at 7.30 p.m. Annual Autumn dance.

READING BRANCH, PHARMACEUTICAL SOCIETY, at 2.30 p.m. Visit to the Meteorological Office, Bracknell.

SOUTH-EAST LONDON BRANCH, NATIONAL PHARMACEUTICAL UNION, Fox on the Hill hotel, Denmark Hill, London, S.E.5, at 8 p.m. Annual meeting. Mr. A. Howells (a member of Executive) on "Not Ordinary Merchandise."

SUNDERLAND BRANCH, PHARMACEUTICAL SOCIETY, Roker hotel, Sunderland, at 7.15 p.m. Annual dinner and dance.

WORCESTER CITY AND COUNTY BRANCH, PHARMACEUTICAL SOCIETY, Raven hotel, Droitwich, at 7.30 p.m. Annual dinner and dance.

### Thursday, October 29

BLACKPOOL BRANCH, PHARMACEUTICAL SOCIETY, Imperial hotel, Blackpool, at 7.45 p.m. Mr. E. Jensen (Ernest J. George & Co.) on "Stock Problems."

BOURNEMOUTH BRANCH, PHARMACEUTICAL SOCIETY, Post-graduate medical centre, Palmerston Road, Boscombe, at 7.30 p.m. "The Welfare Services of Bournemouth." Speakers: Dr. W. Fielding (medical officer of health for Bournemouth), Mrs. J. Pringle (senior lady councillor) and Mr. C. T. Trotman (manager, local National Assistance Board).

BURNLEY BRANCH, PHARMACEUTICAL SOCIETY, Cross Keys hotel, Burnley, at 7.45 p.m. Speaker: Mr. A. Aldington (member of Council).

HARROGATE BRANCH, PHARMACEUTICAL SOCIETY, Marlboro café, Oxford Street, Harrogate, at 7.30 p.m. Speaker: Mr. H. S. Grainger (a member of Council).

ISLE OF WIGHT BRANCH, PHARMACEUTICAL SOCIETY, Ryde Castle hotel, Ryde, at 7.30 p.m. Wine evening. A speaker from John Harvey & Sons, Ltd., on "Port."

LONDON BRANCH, GUILD OF PUBLIC PHARMACISTS, Royal Marsden Hospital, Fulham Road, London, S.W.3. Visit to pharmacy department.

MANCHESTER AND SALFORD BRANCH, PHARMACEUTICAL SOCIETY, Council chamber, Houldsworth Hall, Manchester, at 8 p.m. Discussion on "The Proposed New Constitution of the Council of the Society."

NORTHERN SCOTTISH BRANCH, PHARMACEUTICAL SOCIETY, Clansman hotel, 193 Church Street, Inverness, at 8 p.m. Discussion on "The Proposed New Constitution of the Council."

OXFORDSHIRE BRANCH, PHARMACEUTICAL SOCIETY, Randolph hotel, Oxford, at 7.30 p.m. Annual dinner and dance.

WEST HAM ASSOCIATION OF PHARMACISTS and EAST METROPOLITAN BRANCH, PHARMACEUTICAL SOCIETY, Visit to Kodak, Ltd., Hemel Hempstead.

WORTHING AND WEST SUSSEX BRANCH, PHARMACEUTICAL SOCIETY, Central hotel, Worthing, at 8 p.m. Speaker: Mr. J. A. Dennett (governor, H.M. Prison, Ford).

### Friday, October 30

SOUTHEND-ON-SEA BRANCH, PHARMACEUTICAL SOCIETY, Royal hotel, High Street, Southend-on-Sea, at 8 p.m. Mr. R. E. Waller (Medical Research Council) on "Smoking and Lung Cancer."

## Advance Information

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN, 17 Bloomsbury Square, London, W.C.1, at 7.30 p.m. Harrison Memorial Lecture, Mr. O. Stephenson on "Experiences and Experiments in Tabletting." December 9.

## PATENTS

**COMPLETE SPECIFICATIONS ACCEPTED**  
From the "Official Journal (Patents),"  
September 23

- Therapeutic preparations containing phenothiazine derivatives.* J. R. Geigy, A.G. 974,379.  
*Hand-held aerosol dispenser.* Valve Corporation of America. 974,385.  
*Storage device.* Rexall Drug & Chemical Co. 974,395.  
*Process for the production of isothiourea derivatives.* Farbenfabriken Bayer, A.G. 974,406.  
*Purification of dimethylbenzimidazoyl adenosylcobamide coenzyme and the compound thus produced.* Roussel-Uclaf. 974,450.  
*Biosynthetic products and the manufacture thereof.* Upjohn Co. 974,454.  
*Oil-dispersible fungicidal compositions.* Rohm & Haas Co. 974,474.  
*Weed control and compositions therefore.* Rohm & Haas Co. 974,475.  
*Pharmaceutical compositions for the treatment of coronary artery disease.* Imperial Chemical Industries, Ltd. 974,522.  
*Therapeutically active steroid compounds, their preparation and incorporation into pharmaceutical compositions.* Roussel-Uclaf. 974,525.  
*Steroid compounds and their preparation.* Roussel-Uclaf. 974,526.  
*Phosphine oxide diols.* Rhone-Poulenc, S.A. 974,528.  
*Antibiotics and the manufacture thereof.* Upjohn Co. 974,541.  
*Thioureas.* Baxter Laboratories, Inc. 974,545.  
*Pyrimidine derivatives.* Chugai Seiyaku, K.K. 974,560.  
*Esters of phosphonothioic acids and compositions containing same.* Monsanto Co. 974,561.  
*Antibiotic A22765 and salts thereof.* CIBA, Ltd. 974,562.  
*Purification of fermentation broths.* Nestlé's Products, Ltd. 974,589.  
*Process for preparing phosphonitrilic derivatives.* W. R. Grace & Co. 974,603.  
*Process for the prevention of the evaporation of insecticidally active ingredients based on organic phosphorus-containing compounds.* Farbenfabriken Bayer, A.G. 974,613.  
 British patent specifications relating to the above will be obtainable (price 4s. 6d. each) from the Patent Office, 23 Southampton Buildings, Chancery Lane, London, W.C.2, from November 4.

**From the "Official Journal (Patents),"**  
September 30

- Injectable pharmaceutical emulsion vehicles.* Merck & Co., Inc. 974,625.  
*Bird repellent.* Bugges Insecticides, Ltd. 974,641.  
*Process for the production of molecular sieve granules.* Farbenfabriken Bayer, A.G. 974,643.  
*Process for the production of bonded molecular sieve pellets.* Farbenfabriken Bayer, A.G. 974,644.  
*Photographic camera with built-in flashlight device.* Agfa, A.G. 974,699.  
*Non-hygroscopic resinous masses and hair preparations containing same.* F. Hoffmann-La Roche & Co., A.G. 974,706.  
*Organic-mercury compounds.* Rhone-Poulenc, S.A. 974,709.  
*Amino-alkylidene-dibenzocycloheptene derivatives.* J. R. Geigy, A.G. 974,710.  
*1-aryl-w-(4-alkoxy-4-arylpiperidino) derivatives of 1-alkanols and 1-alkenes.* Dr. C. Jenssen Research Laboratorium, N.V. 974,711.  
*N-aryalkyl and n-aryalkenyl derivatives of 4-alkoxy-4-phenylpiperidines.* Dr. C. Jenssen Research Laboratorium, N.V. 974,712.  
*Derivatives of piperazine and homo piperazine.* Abbott Laboratories. 974,717.  
*Steroid compounds and therapeutic compositions containing steroid compounds.* Francesco Vismara, S.p.A. 974,719.  
*Light sensitive gelatino-silver halide photographic emulsions.* Kodak, Ltd. 974,723.  
*Sunburn preventive compositions.* Rohm & Haas Co. 974,749.  
*Preparation of 2-methyl-2-(1-methylpropyl)-1:3-propanediol dicarbamate.* Simes, S.p.A. 974,818.  
*Device for showing films.* Moviesbox General System, S.r.l. 974,848.  
*Dispenser for use with tooth-paste and like tubes.* P. G. Lawrence. 974,849.  
*Method of, and apparatus for, applying closure*

- caps to bottles or similar containers.* W. Pechmann. 974,866.  
*Recovery of crude Lecogenin from agave leaves.* State of Israel Ministry of Trade & Industry, M. Lewin, O. Elsner, M. Mielcharek and T. Bernstein. 974,876.  
*Purification of hecogenin.* State of Israel Ministry of Trade & Industry, M. Lewin, O. Elsner, M. Mielcharek and T. Bernstein. 974,877.  
*Process for recovery of saponins from agave leaves.* State of Israel Ministry of Trade & Industry, M. Lewin, O. Elsner, M. Mielcharek and T. Bernstein. 974,878.  
*Micronutrient composition for plants and use thereof.* M. Rubin. 974,888.  
*Derivatives of griseofulvin.* Glaxo Group, Ltd. 974,891.  
*Process for the production of amine compounds.* Parke, Davis & Co. 974,894-95.  
*Esters of quaternary ammonium compounds and processes for the production thereof.* Chemie Grünenthal, G.m.b.H. 974,899.  
*Polypeptide growth promoting agent for animals.* J. Bornstein. 974,910.  
*Preparation of a modified mannitol product.* Warner-Lambert Pharmaceutical Co. 974,917.  
*10-substituted derivatives of yohimbane alkaloids.* Warner-Lambert Pharmaceutical Co. 974,918.  
*Manufacture of suppositories.* R. P. Scherer, G.m.b.H. 974,920.  
*Photographic film unit.* International Polaroid Corporation. 974,927.  
*Means and method of labelling or wrapping.* Emile Bernat & Sons Co. 974,932.  
*Esters of 5,7-dibromo-8-hydroxyquinolines and the preparation thereof.* Sandoz, Ltd. 974,981.  
*Sulphonamides.* CIBA, Ltd. 974,983.  
*Stabilisation of light-sensitive silver halide emulsions.* Eastman Kodak Co. 974,984.  
*Yohimbane derivatives.* American Cyanamid Co. 974,987.  
*Hydroxy-beuzenesulphonyl-ureas and preparations containing them.* Farwerke Hoechst, A.G. 974,989.  
*Photosensitive element.* International Polaroid Corporation. 975,006.  
*Plastic bags for injectable solutions.* Soc. Française des Laboratoires Labaz. 975,012.  
*Halopyridyl phosphorus compounds.* Dow Chemical Co. 975,046.  
*Implantation instruments.* Boots Pure Drug Co., Ltd. 975,090.  
*Dispenser.* Kodak, Ltd. 975,107.  
*Photographic camera.* Agfa, A.G. 975,117.  
*Pressure sensitive adhesive labels.* A. B. Karn. 975,119.  
*Siliceous materials.* Dow Corning Corporation. 975,122.  
*Tertiary amine salt of 3,6-endoxohydroorthophthalic acids and their use as aquatic herbicides.* Pennsalt Chemicals Corporation. 975,126.  
*Chlorine- and sulphur-containing phosphate ester.* Farbenfabrik Wolfen Veb. 975,127.  
*Anthelmintics.* American Cyanamid Co. 975,128.  
*Metal salts of dithiocarbamic acids, process for preparing them, and fungicidal compositions containing them.* Chemische Werke Albert. 975,138.  
*Pastilles containing living attenuated polio virus.* Wellcome Foundation, Ltd. 975,139.  
*Bunion splint.* Scholl Manufacturing Co., Ltd. 975,164.  
*Hospital trolleys.* Surgicon, Ltd. 975,226.  
*Photographic reproduction processes and in photographic materials therefore.* Kodak, Ltd. 975,243.  
*Colour couplers and their use in colour photography.* Agfa, A.G. 975,248.  
*Ketones and preparation thereof.* Chas. Pfizer & Co., Inc. 975,249.  
*Method of and an apparatus for continuous freeze drying.* Leybold-Anlagen Holding, A.G. 975,279.  
*Vacuum freeze drying.* Leybold-Anlagen Holding, A.G. 975,284.  
*Zoom lens with a focus variation device selectively operable by hand or by motor and photographic camera comprising same.* Agfa, A.G. 975,289.  
*Derivatives of 1-phenyl-2-aminoethanol.* Imperial Chemical Industries, Ltd. 975,291.  
*Production of sulphamic acid.* Allied Chemical Corporation. 975,301.  
*Silicon-containing compositions.* Stauffer Chemical Co. 975,302.

*Method and apparatus for making flash exposures.* Eastman Kodak Co. 975,304.  
 British patent specifications relating to the above will be obtainable (price 4s. 6d. each) from the Patent Office, 23 Southampton Buildings, Chancery Lane, London, W.C.2, from November 11.

**From the "Official Journal (Patents),"**  
October 7

- 2,4 - diamino - 5 - halogeno - 6 - chloropyrimidines and their production.* Wellcome Foundation, Ltd. 975,323.  
*Concentrating nitric acid.* American Metal Climax, Inc. 975,324-25.  
*Photographic film support.* Kodak, Ltd. 957,326.  
*Plant growth control.* Research Corporation. 975,335.  
*Photographic plate pack with separate strips.* Gevaert Photo-Producten, N.V. 975,345.  
*Alkyimercaptophenyl phosphorus - containing esters.* Farbenfabriken Bayer, A.G. 975,354.  
 British patent specifications relating to the above will be obtainable (price 4s. 6d. each) from the Patent Office, 23 Southampton Buildings, Chancery Lane, London, W.C.2, from November 18.

## CONTEMPORARY THEMES

**Subjects of contributions in current medical and technical periodicals.**

- LYOPHILISATES** in cosmetics. *Dragoco Report*, October.  
**PoISONING.** New approaches to. *Proc. roy. Soc. Med.*, September.  
**CHORIONIC GONADOTROPHIN.** Immunological test for, in pregnancy. *Proc. roy. Soc. Med.*, September.  
**PARTICLE SIZE** in relation to formulation. *Aust. J. Pharm.*, July 30.  
**POLYSACCHARIDE GUM.** Evaluation of a new. *Aust. J. Pharm.*, July 30.  
**TRICYCLOQUAZAZOLINE** and its derivatives. Carcinogenicity of. *Aust. J. Pharm.*, July 30.  
**PHARMACY OPERATIONS.** Decentralised, utilising the unit dose concept. *Amer. J. hosp. Pharm.*, August.  
**CANCER INCIDENCE** and mortality in patients having anticoagulant therapy. *Lancet*, October 17.  
**Post-operative PROPHYLACTIC ANTICOAGULANTS** in gynaecology. *Lancet*, October 17.  
**HYPERBARIC OXYGEN** and corneal neovascularisation. *Lancet*, October 17.  
**VASOPRESSIN** AND **OXYTOCIN**. Synthetic extended-chain analogues of, in the treatment of experimental haemorrhagic shock. *Lancet*, October 17.  
**INTERFERON.** Protection of mice by, against systemic virus infections. *Brit. med. J.*, October 17.  
**IDIOURIDINE.** Treatment of herpes simplex lesions of the face with. Results of a double-blind controlled trial. *Brit. med. J.*, October 17.  
**IDIOURIDINE.** Attempted treatment of trachoma with. *Brit. med. J.*, October 17.  
**CHLORPROMAZINE** AND **IMIPRAMINE**. Foetal death from nicotinamide-deficient diet and its prevention by. *Science*, September 25.  
**SPERMATOGENESIS.** Progesterone and 6-Chloro- $\Delta^2$ -17-acetoxyprogesterone as inhibitors of, in the rabbit. *Nature*, October 17.  
**ASPIRIN PSORIASIS.** Birch pollen and. *J. Amer. med. Ass.*, September 28.  
**AMPHOTERICIN B.** Hypokalaemia from. *J. Amer. med. Ass.*, September 28.  
**TOWARDS THE UNBREAKABLE BOTTLE.** *New Scientist*, October 15.  
**PRODUCTION PLANNING.** Computers in. *New Scientist*, October 15.  
**AUTOIMMUNE** progesterone dermatitis. *J. Amer. med. Ass.*, October 5.  
**PENICILLIN** anaphylaxis and methicillin tolerance. *J. Amer. med. Ass.*, October 5.  
**ORAL POLIO VACCINES.** Paralytic disease with. *J. Amer. med. Ass.*, October 5.  
**ORAL poliomyelitis vaccines.** *J. Amer. med. Ass.*, October 5.  
**ORAL POLIOMYELITIS VACCINES.** Commentary on report on. *J. Amer. med. Ass.*, October 5.  
**DETERGENTS.** Health hazards associated with use of. *J. Amer. med. Ass.*, October 5.  
**ERYTHROMYCIN** in syphilis. *J. Amer. med. Ass.*, October 5.  
 **SALICYLAZOSULFAPYRIDINE.** Anaemia and. *J. Amer. med. Ass.*, October 5.

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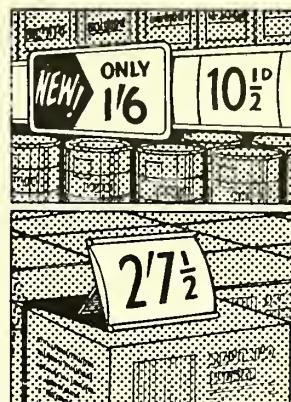
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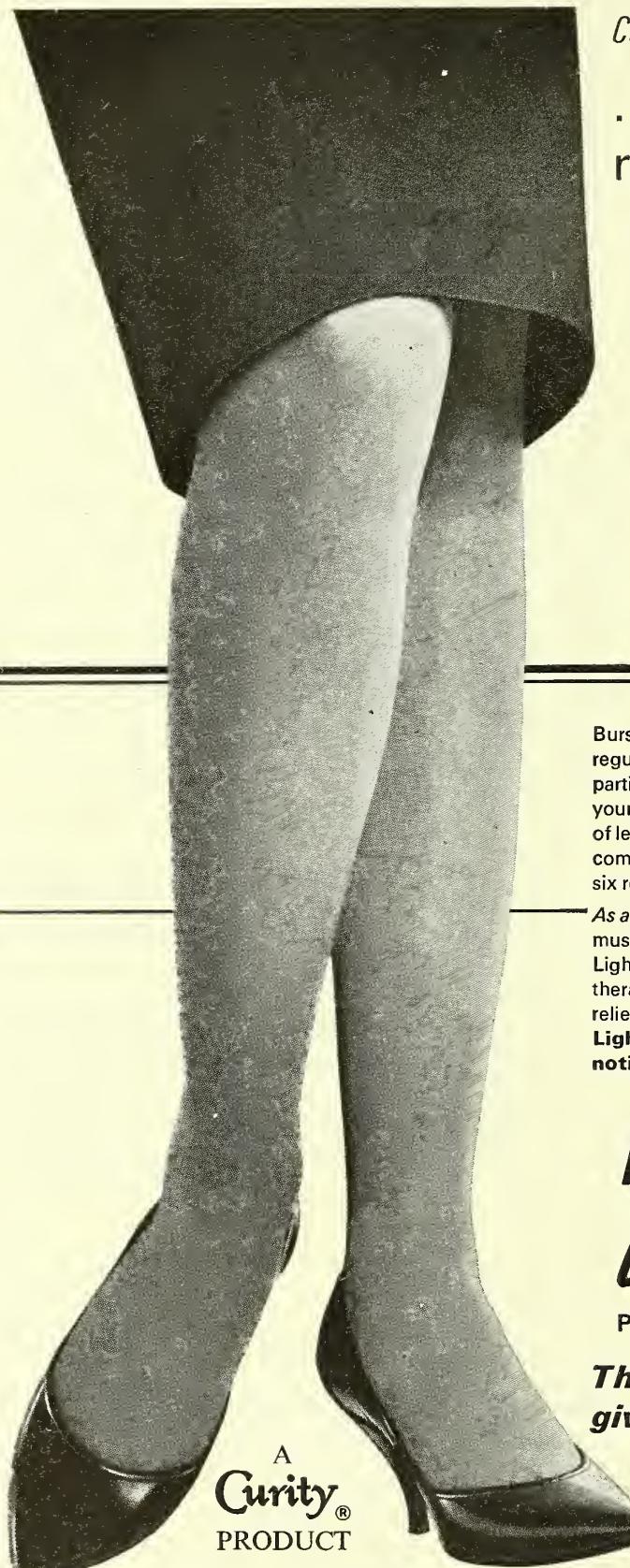
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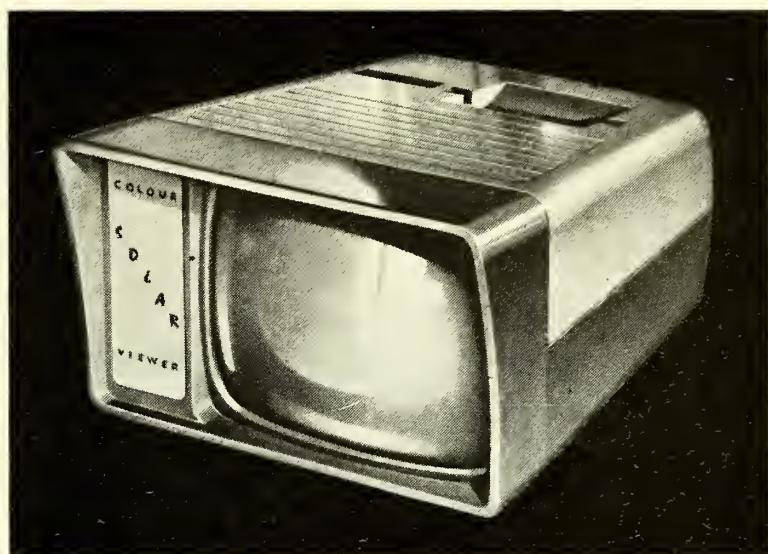
# BURSON<sup>®</sup> Lightweight

PRESCRIBABLE UNDER THE N.H.S.

***The support stockings that give moral support as well!***

ALSO AVAILABLE ARE THE  
BURSON RANGE OF REGULAR  
ELASTIC STOCKINGS

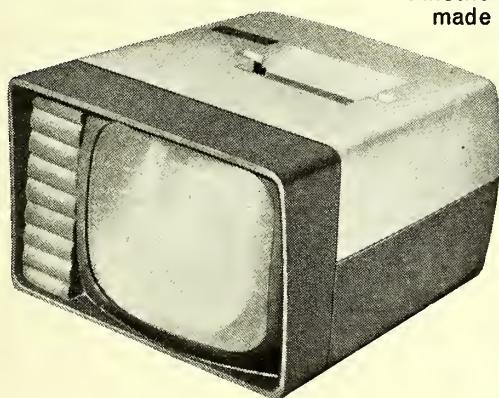
**YOU CAN'T  
SELL  
A BETTER  
VIEWER  
THAN THE  
Solar**



The Solar is the slide viewer for those who demand the very best. Two extra large optically worked glass lenses give comfortable big picture viewing, no need to turn viewer for upright pictures. It uses a 3.5v. lamp and three U11 batteries and a

very deep reflector gives even illumination over entire picture. Gentle pressure of slide in slot lights the lamp and further backward pressure locks light on for continuous viewing. Manufactured in an attractive two-tone plastic.

**PRICE 55/-**

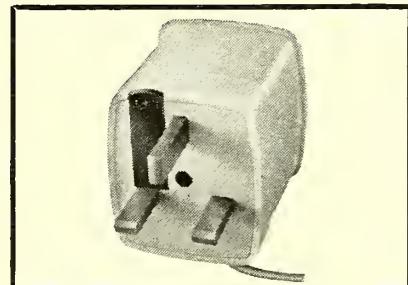


Another high quality viewer made to the same high standards as the "Solar." Uses 3 U11 batteries and 3.5v. lamp to give a clear brilliant picture. Made of attractive two-tone plastic and complete with stand. The colour slide can be locked in position for prolonged viewing (as the Solar).  
**PRICE 28/6**

**YOU CAN'T  
SELL BETTER  
VALUE  
THAN  
THE  
Stellar**

**BOTH THESE VIEWERS WORK FROM BATTERIES OR MAINS**

Mains transformers are available to enable either the Solar or Stellar to be used direct from the mains, thus economising on batteries. There are three models available. Model 1 : Combined transformer and standard 5 amp. 3-pin type plug. 27/6. Model 2: Similar transformer, without plug. With 18 in. mains cable to which may be attached any type of 3-pin plug. 27/6. Model 3: Similar to Model 1, but Model 3 takes the form of a standard 13 amp. flat pin-fused top. 29/6.



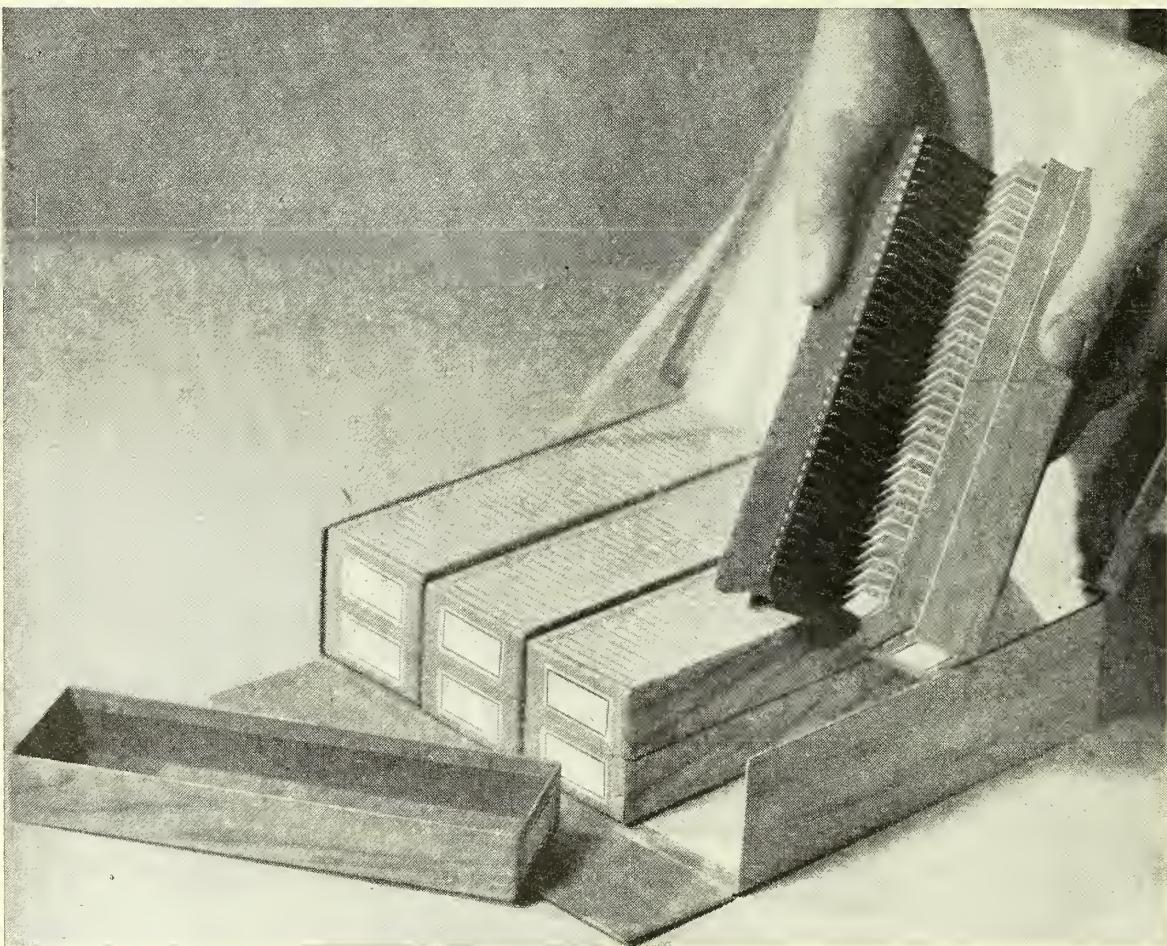
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Jubilee  
free gift—  
GOLD initials  
offer  
for each  
PHILISHAVE**

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To mark the Jubilee Year of the 'Philishave', Philips are making a superb free offer to purchasers of the 'Philishave' in Great Britain. So give every customer who buys a 'Philishave', between now and Christmas, the explanatory leaflet. Each customer will be sent two gold-plated initials. These will stick permanently on the shaver case—and greatly enhance it as a personal possession. Altogether, it's a delightful extra—and an additional sales-booster for you! So, between now and Christmas make sure you have sufficient leaflets to give one to every customer purchasing a 'Philishave'. Your customer will do the rest.

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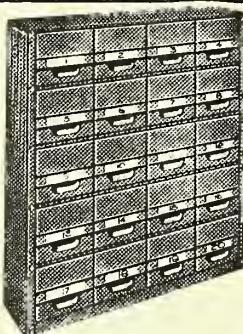
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20 drawers all 8" wide, 7" high, 10 $\frac{1}{8}$ " long, each with white identification card and transparent washable cover.

Overall cabinet size: 42" high, 35" wide, 12" deep. Stove enamelled dark green.

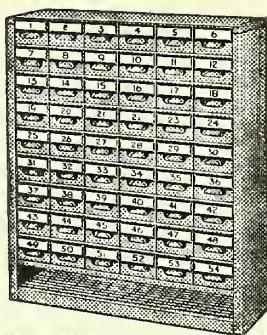
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Overall size: 42" high x 35" wide x 12" deep. 54 drawers, each 5 $\frac{1}{4}$ " x 3" x 10 $\frac{1}{8}$ ", complete with one divider, white card and transparent protective shield per drawer.

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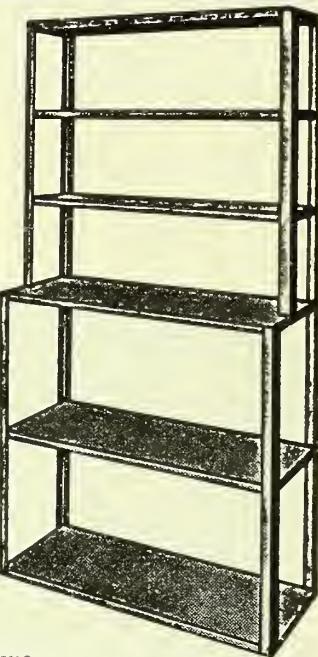


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3/9 size - 13 for 12: 5/9 & 7/9 sizes - 7 for 6

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**ORDER FROM YOUR  
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OFFER CLOSES OCT. 31**

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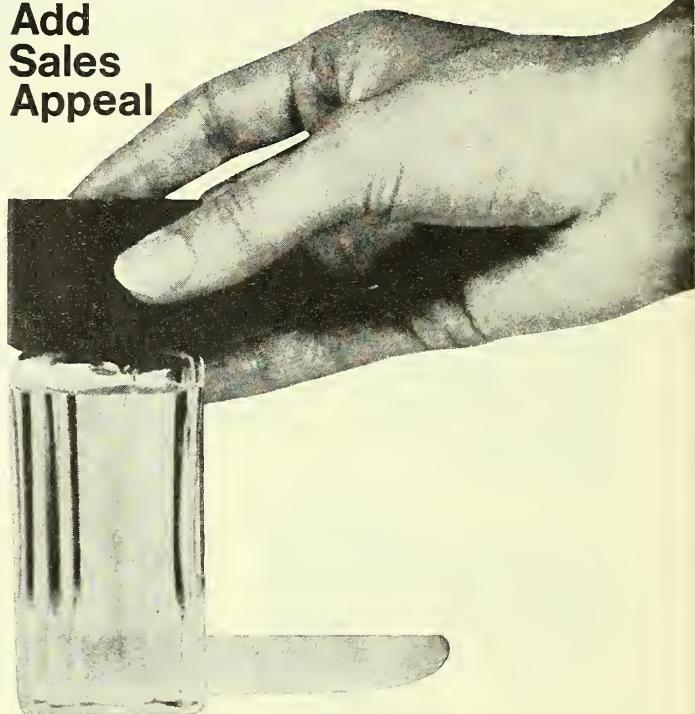
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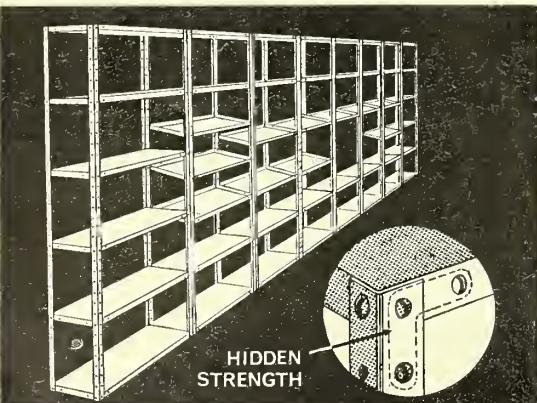
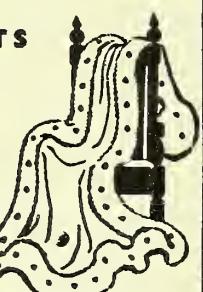
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**BRAND NEW WHITE SHELVING**  
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# Ribena News

## BUMPER CROP OF BLACKCURRANTS

It's been a wonderful, wonderful summer—for blackcurrants! We are therefore pleased to pass on the benefits of a truly bumper crop to the trade and the consumer, with the most spectacular Ribena promotion ever mounted.

From 7th September, all Ribena will have special "money-off" labels featuring:—

**6d off the Family Size  
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And so the effective price of Ribena is the lowest for nine years!

**ALSO!!! A "BUMPER HARVEST" BONUS TO THE  
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Beecham Food and Drink Division,  
Beecham House, Great West Road,  
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**IMPORTANT ANNOUNCEMENT**  
**RESALE PRICE MAINTENANCE**

*Devon Hair Aids Ltd  
announces that it has  
decided to apply for  
exemption under the  
Resale Prices Act, 1964,  
in respect of its entire  
product range.*

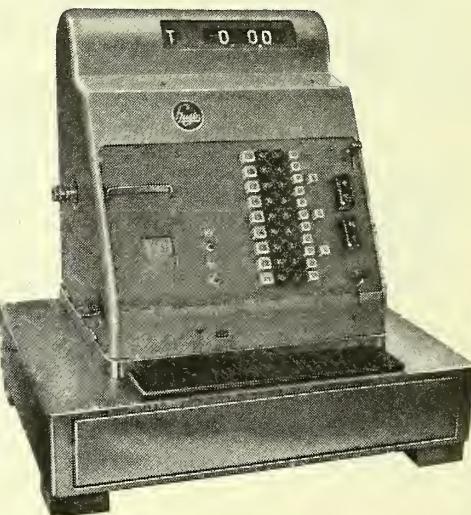
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October 1964.

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The KA. 23 and its smaller brother KA. 36 bring accuracy—fast—within every retailer's reach.

See what the Swedish precision HUGIN could do for your business—NOW—at Gledhill's of Halifax, pioneers and specialists since 1886.



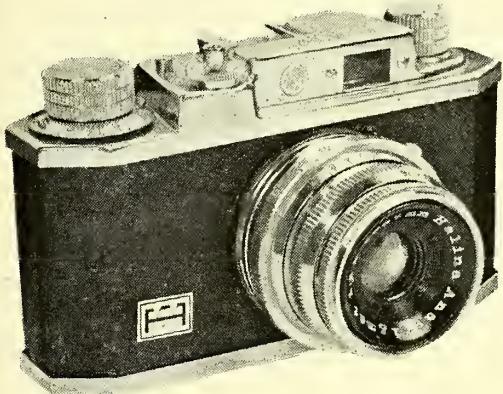
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- f3.5/45mm hard coated 3 element lens
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- Synchronised for flash
- Double exposure prevention
- Coupled film transport and exposure counter
- Aperture setting from f3.5 to f16

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Ever Ready  
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- Achromat 50mm lens
- Three apertures, Dull-Bright-Sunny
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- All metal with satin chrome trim
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October 24, 1964



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**APPOINTMENTS** — 27/- per  $\frac{1}{2}$ " s.c. minimum and pro rata. **AGENTS** — AUCTION SALES — BUSINESSES FOR SALE and WANTED — CLEARANCES and WANTS — CONTRACTS — MISCELLANEOUS — PATENTS — PARTNERSHIPS — PREMISES — PUBLIC and LEGAL NOTICES — SITUATIONS VACANT. Run-on — 4/6 per line (minimum 22/6). Semi-display — 27/- per  $\frac{1}{2}$ " s.c. minimum. Displayed with border rule, larger type faces and blocks — 67/6 per s.c.i. minimum. Reduced rates for one-third, one-half, and full pages on application. **SITUATIONS WANTED** — 7/6 per 18 words minimum, then 5d. per word. Use of Box No. — 3/-. Advertisements received by 4 p.m. Tuesday published same week.

**APPOINTMENTS****BOLTON AND DISTRICT HOSPITAL MANAGEMENT COMMITTEE, THE ROYAL INFIRMARY, BOLTON****Dispensing Assistant**

A vacancy has arisen for an experienced Dispensing Assistant. Preference will be given to candidates possessing the Certificate of the Society of Apothecaries of London. Whitley Council salary scale, which provides a commencing salary of £453 at 22 years of age and over, rising to a maximum of £597. An additional £50 is added to the salary for possession of, or upon obtaining, the Certificate of the Society of Apothecaries. The Royal Infirmary is an acute general hospital (Category V) with large out-patients' department and services nine smaller hospitals.

Applications, stating age, qualifications, details of education and experience, etc., and the names of two referees, should be sent to Group Secretary, The Royal Infirmary, Bolton. C 9584

**BOOTLE HOSPITAL, LIVERPOOL, 20****Senior Pharmacist**

required at this 116 bedded hospital. Apply to the Hospital Secretary, in writing, stating age, experience, qualifications, and the names of two referees. C 9593

**CHARING CROSS GROUP OF HOSPITALS, FULHAM HOSPITAL, ST. DUNSTANS ROAD, W.6****Part-time Pharmacist**

required for one or more sessions per week. £2 2s. 7d. per four-hour session. Applications to and further information from, Chief Pharmacist, RIVerside 9161, Ext. 5. C 9543

**CHELMSLEY HOSPITAL, MARSTON GREEN, BIRMINGHAM****Dispensing Assistant**

full-time, required for the period 29th October, 1964, to 5th March, 1965. Salary in accordance with Whitley Council scales and conditions of service. Apply immediately to Hospital Secretary, Chelmsley Hospital, Marston Green, Birmingham. C 9576

**DREADNOUGHT SEAMEN'S HOSPITAL, GREENWICH, S.E.10****Pharmacist**

required. Two in department. Alternate Saturdays. Salary £761—£1,019 plus London Weighting; also £2 15s. 4d. per week for two late sessions. Resident accommodation available if required. Applications to House Governor. C 9601

**DREADNOUGHT SEAMEN'S HOSPITAL, GREENWICH, S.E.10****Locum Tenens Pharmacist**

required from the 2nd November, 1964 guineas per week plus £2 15s. 4d. per week for 2 late sessions. Resident accommodation available if required. Applications to House Governor. C 9599

**DULWICH HOSPITAL, EAST DULWICH GROVE, LONDON, S.E.22****Pharmacist**

permanent or locum tenens required. Hours to be arranged by mutual agreement. Whitley Council terms and conditions. Apply to the Chief Pharmacist, Dulwich Hospital, East Dulwich Grove, London, S.E.22, C 9557

**DURHAM HOSPITAL MANAGEMENT COMMITTEE****Pharmacist**

wanted in Durham Group of Hospitals based on Dryburn Hospital (316 beds). Salary £761—£1,019 a year. Detailed applications quoting two referees to Secretary, Dryburn Hospital, Durham, immediately. C 9563

**FULHAM HOSPITAL, ST. DUNSTANS ROAD, W.6****Dispensing Assistant**

required, preferably with Apothecaries' Hall Certificate. Applications, with names of two referees, to Hospital Secretary, Fulham Hospital, St. Dunstans Road, W.6. C 9544

**GATESHEAD AND DISTRICT HOSPITAL MANAGEMENT COMMITTEE****Pharmacist**

Applications are invited from suitably qualified and experienced persons for the above post. The successful applicant will be required to work within the Gateshead Group of hospitals. Pharmaceutical Whitley Council "C" salary and conditions of service apply. Applications stating age, previous experience, etc., should be sent together with the names and addresses of two referees to the undersigned.

H. Clark, Group Secretary, "The Lodge," Queen Elizabeth Hospital, Sheriff Hill, Gateshead, 9, Co. Durham. C 6302

**HOSPITAL MANAGEMENT COMMITTEE No. 9, WAKEFIELD "A" GROUP****Senior Pharmacist**

required for busy sterilising and manufacturing department in a category IV group hospital. Modern equipment includes newly installed rapid cooling fluids autoclave. Post offers excellent experience. Salary £851—£1,113. Whitley Council conditions. Application Form from Group Secretary, 113 Northgate, Wakefield. C 9562

**HAMMERSMITH HOSPITAL AND POST-GRADUATE MEDICAL SCHOOL, DU CANE ROAD, LONDON, W.12****Pharmacist**

required at above general post-graduate teaching hospital (Category V). Post offers varied work and excellent experience. Previous experience not essential. Enlargement and modernisation of Department now completed. Whitley salary scale £761—£1,019 per annum plus London allowance. Commencing salary within the scale according to age and experience. Applications, stating age, qualifications and experience, and naming two referees, to Chief Pharmacist, C 686

**HILL END HOSPITAL, ST. ALBANS, HERTS****Chief Pharmacist (Category II)**

required for the above modern and progressive psychiatric hospital of some 750 beds. The post will be vacant on January 1, 1965, on the retirement of the present occupier. Hospital house available to rent. Salary £987 rising to £1,323 per annum. Conditions of service in accordance with the recommendations of the Pharmaceutical Whitley Council. Post subject to National Health Service (Superannuation) Regulations. Form of application and further particulars obtainable from the Hospital Secretary. C 687

**KING EDWARD VII HOSPITAL, WINDSOR****Dispensing Assistant**

required. Applications with full details to Secretary, King Edward VII Hospital, Windsor. C 9578

**LONDON JEWISH HOSPITAL, STEPNEY GREEN, E.1****Locum Pharmacist**

required at the above hospital. Modern department. Every third Saturday morning off. Previous Hospital experience not essential. Salary £19 19s. per week. Applications to the Chief Pharmacist (Telephone STE. 1222, Ext. 219). C 9550

**NOTLEY HOSPITAL, BRAINTREE, ESSEX****Dispensing Assistant**

Applications are invited for Dispensing Assistant. Permanent and pensionable appointment. Salary and conditions according to Whitley Council Scales. Previous hospital experience, Certificate of the Society of Apothecaries, R.A.M.C., R.A.F., or equivalent qualifications taken into account for commencing salary. Interesting post, covering wide sphere of activity. Good residential accommodation available if required. Applications giving age, present and previous experience with names and addresses of two referees to Hospital Secretary immediately from whom further details may be obtained. C 9590

**LONDON JEWISH HOSPITAL,  
STEPNEY GREEN, E.1****Pharmacist**

required at the above hospital. Modern department giving good general experience. Every third Saturday morning off. Previous hospital experience not essential. Whitley Council conditions of service and salary. Applications in writing stating age, qualifications and experience together with the names of two referees to the Chief Pharmacist.

C 9549

**MAIDENHEAD HOSPITAL,  
BERKSHIRE****Dispensing Assistant**

required to assist Chief Pharmacist. Post vacant 2nd November. Applications giving qualifications, and experience, with copies of two testimonials or two referees to Secretary.

C 9589

**NEWMARKET GENERAL  
HOSPITAL****Dispensing Assistant**

required in modern Group Pharmacy. Ideal working conditions, alternate long weekends. Applications giving age, experience and names of two referees to the Group Pharmacist.

C 9587

**OAKWOOD HOSPITAL,  
MAIDSTONE, KENT****Senior Pharmacist**

A Senior Pharmacist, full- or part-time, is required immediately at this large, progressive Psychiatric Hospital. The working conditions are exceptionally pleasant in a new department which may be inspected by arrangement with the Chief Pharmacist. Whitley Council salary scale and conditions of service apply.

Applications stating age, qualifications and experience, together with the names of two referees, should be forwarded to the Physician Superintendent forthwith.

C 9579

**PADDINGTON GENERAL  
HOSPITAL,  
HARROW ROAD, W.9****Locum Pharmacist**

required for indefinite period. Apply immediately to the Hospital Secretary.

C 666

**RONKSWOOD HOSPITAL,  
WORCESTER****Pharmacist**

required for interesting and varied duties. Salary on scale £761 to £1,019 per annum according to previous professional experience. Applications stating age, details of training, posts held, names of referees, to the Hospital Secretary, from whom further information may be obtained.

C 9558

**ROYAL FREE HOSPITAL****Pharmacist**

Applications are invited for the post of Pharmacist at the above Hospital. Whitley Council salary scale with extra pay for evening clinics. Apply naming two referees to Group Chief Pharmacist, Royal Free Hospital, Gray's Inn Road, W.C.1. C 679

**ROYAL FREE HOSPITAL,  
GRAY'S INN ROAD,  
LONDON, W.C.1****Locum Pharmacist**

required for work at the above hospital. Salary £20 19s. per week. Apply naming two referees to Group Chief Pharmacist, Royal Free Hospital, Gray's Inn Road, London, W.C.1. C 689

**SHOTLEY BRIDGE GENERAL  
HOSPITAL,  
CONSETT, CO. DURHAM****Post-graduate Pharmaceutical Student**

A vacancy exists for a Post-graduate Pharmaceutical Student at the above Category IV Hospital in a busy department offering comprehensive experience.

Accommodation for a single person available if necessary. Salary £509 per annum. Applications with details of age, education, etc., naming two referees to the Hospital Secretary as soon as possible.

C 9588

**ST. ALBANS CITY HOSPITAL,  
NORMANDY ROAD,  
ST. ALBANS, HERTS  
(402 beds)****Senior Pharmacist or Pharmacist**

Applications are invited for the above post at this hospital within easy reach of Central London. Whitley Council salary and conditions of service. Detailed applications naming two referees to the Chief Pharmacist. C 652

**ST. LEONARD'S HOSPITAL,  
NUTTALL STREET,  
LONDON, N.1****Pharmacist**

Applications are invited for the post of Pharmacist at the above hospital. Salary scale rising to £1,019 p.a. plus the appropriate London Weighting Allowance. Pharmacist with previous experience outside the Hospital Service may enter the scale at a point not exceeding £898 p.a. plus London Weighting Allowance. Applications to the Hospital Secretary. C 9577

**ST. MICHAEL'S HOSPITAL,  
CHASE SIDE CRESCENT,  
ENFIELD****Part-time Pharmacist**

required at St. Michael's Hospital, Chase Side Crescent, Enfield, 12 hours per week, Whitley Council conditions of service and rates of pay. Applications to the Group Secretary, Chase Farm Hospital, The Ridgeway, Enfield, Middlesex, quoting reference No. 93/64.

C 9571

**THAMES GROUP HOSPITAL  
MANAGEMENT COMMITTEE**

Applications are invited for the following appointments:

**1. Senior Pharmacists**

(a) St. Andrew's Hospital, Devons Road, London, E.3.  
(b) East Ham Memorial Hospital, Shrewsbury Road, Forest Gate, E.7.

**2. Pharmacist**

St. Clement's Hospital, Bow Road, E.3. In sole charge, part-time or full-time, for this Psychiatric Hospital of 123 beds with out-patients' department and Day Hospital. Applications to respective Hospital Secretaries.

C 9583

**THE MANOR HOSPITAL  
MANAGEMENT COMMITTEE****Dispensing Assistant**

required, full- or part-time, at The Manor, Epsom, Surrey, a hospital for 1,120 mentally subnormal patients. Whitley Council salary and conditions of service.

Applications, stating age, experience and certifications, together with the names and addresses of two referees, to the Group Secretary.

C 9586

**SITUATIONS VACANT****RETAIL (HOME)**

**BRADFORD.** Pharmacist Manager required for main-road suburban company branch. Three weeks' holiday and a generous salary. Apply Box C 9548.

**BRANCH MANAGER****PHARMACIST**

Branch Manager or Manageress Pharmacist required for Pharmacy Section of new Store opening shortly on the South Coast. Excellent remuneration, permanent superannuated position.

Applications in writing giving age, details of experience, etc., to the Personnel Manager, P.I.M.C.S., Ltd., Fratton Road, Portsmouth. C 692

**LEEDS.** Pharmacist Manager required for main-road suburban company branch. Three weeks' holiday and a generous salary. Apply Box C 9547.

**LINCOLNSHIRE,** nr. to Boston and Skegness. Excellent opportunity for experienced lady dispensing assistant (age 30-45) with good knowledge of toilet and cosmetic trades. A centrally heated, furnished flat is available rent and rates free. Further details on request. (Own staff notified of this advertisement.) Box C 6408.

**SURREY.** Lady assistant required for senior position, capable of taking over cosmetic buying, selling and display (all main agencies held) and willing to assist generally. Dispensing useful but not essential. Staff of six. Good atmosphere and working conditions. Modern flat, unfurnished, self-contained, four rooms with bathroom and kitchen, away from shop, available free of rent and rates. Apply giving details of experience, age, etc., in writing, to Managing Director, R. R. Skidmore (Chemists), Ltd., 30 High Street, Banstead, Phone: Burgh Heath 720. C 6434

**YORK** Co-operative Chemists' Society Ltd. have vacancy for manager or manageress for small branch on new estate. Separate flat available, Saturday half-day. Salary £1,217 per annum. Apply to Superintendent Chemist, York Co-operative Chemists' Society Ltd., 22 Railway Street, York. C 9582

**RETAIL (OVERSEAS)**

**PHARMACIST**, lady or gentleman, genuinely interested in retail pharmacy. Passage paid out. Please apply with full details Air Mail to Ray Jackson, P.O. Box 183, Ndola, N. Rhodesia. C 6414

**UNQUALIFIED MALE** for dispensing and retail duties, interest in photographic side an advantage. Passage paid out. Reply with full details: Ray Jackson, Box 183, Ndola, N. Rhodesia. C 6415

**WHOLESALE**

**PHARMACIST REQUIRED** for manufacturing chemists, to be responsible for manufacturing processes. Excellent prospects for young, keen person not afraid of factory work. Apply in writing with full particulars to Harker Stagg Ltd., Emmott Street, London, E.1. C 6425

**PERFUMERY SALES  
REPRESENTATIVE**

required by 4711 in East Anglia area based on Essex/N.E. London. Knowledge of the trade in the area and a perfumery background is most desirable. Arising from expansion, this permanent position with a progressive Private Company is a fine opportunity for an experienced man between 30 and 45. Starting salary over four figures, plus commission, Victor Super provided, all expenses paid, Pension scheme. Write with full details of previous career and stating age to:

Sales Director,  
Scott & Bowne, Ltd.,  
50 Upper Brook Street,  
London, W.1  
C 9540

## SITUATIONS VACANT WHOLESALE

**ASSISTANT CHEMIST** required for laboratory and plant work on interesting problems in the development of aromatic synthetics for the perfume industry. Minimum qualifications G.C.E. "A" level in three subjects. Permanent, pensionable position, pleasant environment, bonus scheme operating. Apply Personnel Manager, Givaudan & Co., Ltd., Whyteleafe, Surrey. C 6432

**PROGRESSIVE** aerosol company wish to appoint a senior representative to take charge of a major part of the company's sales development. Applicant must be between 25/35 and have had previous selling experience in the packaging industry. Car, salary and commission by arrangement. Applications giving full details of age and previous experience should be sent to the Managing Director, Osmond Aerosols Limited, Railway Street, Grimsby, Lincs. C 6430

**REPRESENTATIVE** required. Must be a really live salesman preferably with some experience of retail pharmacy. Mainly for outer London (Home Counties) area to sell chemists' sundries. Salary, expenses, commission, car provided if required. Excellent opportunity for increased sales on fertile districts. Write Box C 9552 in first instance.

## SITUATIONS WANTED

**EXECUTIVE**, recently resigned from multiple group of wholesale chemists engaged in distribution of pharmaceutical and patent products, fully comprehensive knowledge of trade, seeks top level position. Box C 6428.

## AGENTS

**AGENTS WANTED** calling on retail chemists, stores, opticians, etc. Good selling lines. South or North-west England. Box C 6436.

**IRELAND, NORTHERN IRELAND**, distributor, long established and intimately connected with the cosmetic/chemist trades, wishes to contact manufacturers with a view to distribution. Box C 6412.

**SCOTLAND**, Agent required to carry first-class line in sunglasses. Must be well connected with chemists and first-class stores. Box C 9596.

**SOLE SELLING AGENT** required for Sussex for advertised multivitamin product, small samples, good commission for agent with chemist connection. Box C 6437.

**SWISS BEAUTY PRODUCTS** manufacturer wishes to appoint Republic of Ireland distributors as soon as possible. Please submit offers to Case Postale 41, Montreux, Switzerland. C 691

## OVERSEAS

**AUSTRALIAN** manufacturer/distributor seeks agencies for small range of ethical medicines with possible reciprocal handling of Australian ethicals in Britain. References exchanged. Reply Box C 6433.

## WANTED

**CASH FOR REDUNDANT**, rejected or clearing lines. Quantities of any size or description, distance no object, quick decisions. S. & T. Supplies, Ltd., 24 Randall Street, Battersea, S.W.11. Phone: BATtersea 0781. C 669

**WE WILL PURCHASE** for cash a complete stock, a redundant line, including finished or partly finished goods, packing raw materials, etc. No quantity too large. Our representative will call anywhere. Write or telephone: Lawrence Edwards & Co., Ltd., 6/7 Wellington Close, Ledbury Road, London, W.11. Tel.: Park 3137-8. C 140

## EXPORT SALES EXECUTIVE

Scottish pharmaceutical company, now expanding export market operations, requires an Export Sales Executive.

Duties will involve the marketing and sales development of ethical products in all overseas markets.

The position calls for a well educated man aged about 30-35, possessing drive and initiative, and already experienced in the export marketing of pharmaceuticals. He will be required to visit overseas markets, and should preferably have one or more foreign languages,

The position offers a good commencing salary, Pension Scheme, and excellent prospects in an expanding Company.

Applications in confidence (with photograph if possible) to Box. C 9581.

## PHARMACIST

## FOR PRODUCTION CONTROL

A recent expansion of our pharmaceutical interests has resulted in a considerable increase in the number of pharmaceutical products being manufactured. An immediate vacancy exists for a senior pharmacist who has some years' experience of controlling the production of various pharmaceutical products.

Apply in confidence giving full details of qualifications to:—



OFFICE PERSONNEL MANAGER,  
HORICKS LIMITED,  
SLOUGH, BUCKS.

C 9591

## BUSINESS OPPORTUNITIES

**£500 CASH EVERY 5 YEARS** for those unexpected bills. The Quinlife plan provides just this with immediate Life Assurance cover at the same time. Write today for full details. Medical Insurance Services Limited, 131 New London Road, Chelmsford, Essex. C 9567

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**BUYING A HOUSE?** We specialise in arranging house purchase for the professions on very attractive mortgage terms. Send a postcard today for full details. Medical Insurance Services Limited, 131 New London Road, Chelmsford, Essex. C 9569

**MANUFACTURING FACILITIES** available for medicinal toilet or household products. Bulk or packed. Large or small quantities. Qualified supervision.

**READE BROTHERS & CO., LTD.**, Sharrock Street, Wolverhampton

C 682

**MANLY MAN'S BELT**, Nationally advertised "obtainable from chemists," 39/6. Full trade terms. Order by waist from Manly Co., Manor House, Worcester Park, Surrey. DERwent 3877. C 635

**READING ADVERTISER** wishes to contact young ambitious pharmacist to consider forming company to open a pharmacy in Reading. Applicants should be capable business men and stock controllers. Advertiser would not take an active part. Flat available. Apply Box C 9598.

**TUBE FILLING**, jar filling and cream manufacturing facilities are available due to surplus capacity. Internationally known toiletries manufacturer. Laboratory facilities and technical advice also available. Please write: Box C 9595.

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**100% MORTGAGES AVAILABLE** for professional men to £7,000. Other mortgages to £20,000. No brokers' fees. Petersfield & Co., Finance, 66 Harewood Avenue, Bournemouth, C 6388

## TRADE MARKS

**THE TRADE MARKS** set out below were assigned on 15th September, 1964, by Velvet Crepe Paper Co. Limited, of Gateway House, 1 Watling Street, London, E.C.4, to Lila-White (Sales) Limited, of Chatfield Mills, Saltley, Birmingham, 8, **WITHOUT THE ENTIRE GOOD-WILL OF THE BUSINESS IN WHICH THEY WERE THEN IN**

USE.	Regd.	No.	Mark	Goods
	B.720967	CHARMEX		Toilet papers, paper tissues and paper handkerchiefs, none being medicated.
	B.726321	CONQUEST		Non - medicated toilet paper.
	733027	OZO		Non - medicated toilet paper.
	733760	LUMEX		Non - medicated toilet paper.
	731699	DELTA		Non - medicated toilet rolls.
	748895	TROVE		Non - medicated toilet rolls.
	732136	SUPRO		Toilet paper and toilet rolls, none being medicated.
	732534	QUEST		Toilet paper (non-medicated).
	759716	OZETTE		Paper handkerchiefs, paper tissues and toilet paper, none being medicated.

C 6429

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Box C 6435.

## THE CHEMIST AND DRUGGIST

## SITUATIONS VACANT WHOLESALE

### **WANDER** wish to appoint a **MARKETING EXECUTIVE** in their London Office

This newly created appointment is an interesting one and offers scope for a young pharmacist who has had previous experience in the marketing of pharmaceuticals. The successful applicant will be the one who measures up to the following specifications:—

1. He must have a pharmaceutical qualification.
2. Ideally he should have had good general marketing experience in the pharmaceutical field, but applicants with market research or advertising experience will also be considered.
3. He should be commercially minded and yet able to integrate an ethical approach with the commercial aims of the company.
4. He should be able to work on his own initiative and yet be able to retain his enthusiasm even when working under pressure.
5. A young man is preferred (upper age 40).

This position carries a good salary which will be fixed initially according to age and experience and there will be subsequent regular reviews according to merit. Participation in the company's contributory pension scheme is obligatory. If you wish to be considered for this appointment please write giving full details of your career to date to:—

**General Sales Manager, A. Wander Limited,  
Pharmaceutical Division, 42 Upper Grosvenor Street, London W.1.**  
(Mark envelope "Private and Confidential").

C 9594

## OVERSEAS

### JOHN HOLT GROUP OF COMPANIES

### PHARMACISTS — NIGERIA

**Applications are invited from PHARMACISTS** for a position as a Manager with the Group's West African Drug Company engaged in the wholesale and retail Pharmaceutical trade with branches throughout Nigeria.

Candidates must be Pharmacists, preferably with Management experience. Initial training in the field will be given where necessary, and the period of training can be extended to suit the younger candidate.

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Liverpool, 2.**

C 9585

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C 6369

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**1 PREMIER** colloid mill mark 1, 3 in. multipurpose, complete, for 3-phase supply, and 1 3 gal. hopper for above. New condition. Apply Box C 9537.

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London, N.W.10**

C 683



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